REVISED REMEDIAL INVESTIGATION

Former Kelly-Moore Manufacturing Facility

5400–5580 Airport Way South

Seattle, Washington

Prepared for:

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EXECUTIVE SUMMARY

The approximately 2.7-acre site located at 5400–5580 Airport Way South in Seattle, Washington, has been used for a variety of industrial and related purposes since the early 1900s. Kelly-Moore Paint Company, Inc. (Kelly-Moore), acquired the site in 1994. Subsequently, portions of the site were used as a Kelly-Moore paint manufacturing plant that blended paints and pigments between approximately 1994 and 2008. By 2010, Kelly-Moore had vacated the site and leased much of the northern half of the property to a third party. In 2011, Kelly-Moore sold the southern portion of the site to JST Georgetown, LLC. In 2014, Kelly-Moore sold the northern portion of the site to NCD GeorgeTown, LLC. Kelly-Moore, in connection with the 2014 sale, agreed to retain responsibility for certain aspects of the ongoing environmental investigation and cleanup of the site.

Certain environmental investigations and underground storage tank removals took place at the site beginning in the 1980s and 1990s. More recently, Kelly-Moore's current investigation and cleanup has been ongoing since 2009. The primary constituents of potential concern (COPCs) identified for the site in connection with recent remedial work by Kelly-Moore have included total petroleum hydrocarbons (TPH) in soils and groundwater, with much lower levels of metals, carcinogenic polycyclic aromatic hydrocarbons, volatile organic compounds, and semivolatile organic compounds.

In 2009, Kelly-Moore conducted a Phase 2 investigation at the site. The scope of the work was expanded upon the discovery of contamination associated with the nine underground storage tanks (USTs) on site, which were removed in October 2009. In 2010, Kelly-Moore entered the Washington State Department of Ecology (Ecology) Voluntary Cleanup Program (VCP) and began moving through the Model Toxics Control Act (MTCA) process toward no further action (NFA) status. A remedial investigation/feasibility study (RI/FS) report was submitted to Ecology in 2011 (AMEC Geomatrix, 2011). The proposed remedial action included soil excavation in selected areas, dual phase vapor extraction with biosparging, if feasible, and additional groundwater monitoring. Ecology provided feedback on the RI/FS in 2012, stating that the proposed cleanup alternative was appropriate as an Interim Action for the site that might lead to a final Cleanup Action, but that more supporting data would need to be provided to verify that objective (Ecology, 2012).

In 2011 and 2013, groundwater sampling was performed at the permanent wells to assess the improvement in groundwater concentrations for TPH following the removal of the nine on-site USTs in 2009. Large reductions in TPH concentrations in several wells occurred between 2011 and 2013, indicating the alternatives reviewed in the RI/FS should be re-evaluated because concentrations of COPCs had decreased substantially since preparation of the RI/FS in 2011. A wider groundwater monitoring network was informally discussed with Ecology in 2013, and Kelly-Moore submitted a plan (AMEC, 2013c) describing data to be collected to further evaluate natural attenuation of COPCs that

might be occurring at the site. Ecology commented on that plan in 2014 and specified additional data that should be evaluated in order to characterize and cleanup the site (Ecology, 2014).

During 2012 and 2013, Kelly-Moore prioritized monitoring activities and targeted cleanup actions over more aggressive remediation activities while exploring the potential sale and future use of the site. Kelly-Moore spoke with potential buyers and evaluated options for moving forward with the cleanup under a variety of scenarios, including retaining all or a portion of the property until after cleanup was complete.

Following the sale of the northern portion of the site in 2014, Kelly-Moore performed several remedial interim actions during and after demolition of the old buildings by the new owner: further polychlorinated biphenyl investigation and cleanup to below high occupancy levels, removal of previously-identified UST piping and additional treatment by chemical oxidation, “hot spot” excavations identified in the 2011 RI/FS with additional treatment by chemical oxidation, immediate removal of two previously unknown USTs discovered during 2015 remedial activities, installation of a soil vapor extraction (SVE) system and air sparge piping, installation of a vapor barrier under the new building, and removal of additional contaminated soils identified in conjunction with new utility installation. In addition, Kelly-Moore performed additional soil and groundwater sampling in 2015 to support decisions regarding the long-term cleanup process at the site.

Data collected at the site in 2015 confirmed there was no longer light nonaqueous phase liquid in soils or groundwater on site, and that the highest concentrations of COPCs in soil were successfully removed prior to construction of the new building. The highest remaining concentrations of TPH in soil are in the smear zone on the northern half of the property, around the areas of the former UST excavations. The highest remaining concentrations of TPH in groundwater were detected at well KMW-04 on the western side of the central portion of the site. The existing southern building and the new northern building have vapor barriers to protect indoor air in the short term, and SVE and air sparge piping has been installed in the Northern Parcel to aid in the overall goal of achieving a no further action letter from Ecology.

Cleanup activities performed in 2015 were completed with the intent of conducting source removal that would expedite the cleanup timeline, with the understanding that not all contamination would be removed prior to construction of the new building on the north portion of the property, and it would be expected that additional treatment and monitoring would be required to achieve an NFA determination for the site based on MTCA regulations. Consistent with the VCP program, remedial efforts implemented by Kelly-Moore in 2015 were planned and documented in order to later report those activities to Ecology as part of the ongoing process of documenting compliance with the MTCA cleanup process.

This Revised RI updates the site conceptual model presented in the 2011 RI/FS (including additional data collected since the 2011 RI), documents interim actions completed since 2011, and updates the evaluation of the nature and extent of contamination.

This revised RI also includes recommendations to address data gaps associated with the ongoing characterization of potential contamination in on-site groundwater and in off-site soil and groundwater along the western site boundary. Kelly-Moore and Amec Foster Wheeler Environment & Infrastructure, Inc. will work with Ecology to devise a groundwater monitoring plan and an off-site investigation work plan to address these data gaps.

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ACRONYMS AND ABBREVIATIONS

µg/L	micrograms per liter
Amec Foster Wheeler	Amec Foster Wheeler Environment & Infrastructure, Inc.
bgs	below ground surface
BNSF	BNSF Railway Company
BTEX	benzene, toluene, ethylbenzene, and xylenes
CLARC	Cleanup Levels and Risk Calculation
COC	constituent of concern
COPC	constituent of potential concern
cPAH	carcinogenic polycyclic aromatic hydrocarbon
CSM	conceptual site model
DO	dissolved oxygen
Ecology	Washington State Department of Ecology
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
FS	feasibility study
Kelly-Moore	Kelly-Moore Paint Company, Inc.
mg/kg	milligrams per kilogram
MTCA	Model Toxics Control Act
mV	millivolts
NFA	no further action
ORP	oxidation-reduction potential
PAH	polycyclic aromatic hydrocarbon
PCBs	polychlorinated biphenyls
POC	point of compliance
PQLs	practical quantitation limits
PVC	polyvinyl chloride
RI	remedial investigation
SVE	soil vapor extraction
SVOC	semivolatile organic compound
TCE	trichloroethene
TPH	total petroleum hydrocarbons
TPH-D	diesel-range petroleum hydrocarbons
TPH-G	gasoline-range petroleum hydrocarbons
TSCA	Toxic Substances Control Act
USTs	underground storage tanks
VCP	Voluntary Cleanup Program
VOC	volatile organic compound
WAC	Washington Administrative Code

REVISED REMEDIAL INVESTIGATION
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

1.0 INTRODUCTION

Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler), has prepared this report on behalf of Kelly-Moore Paint Company, Inc. (Kelly-Moore), for the former Kelly-Moore manufacturing facility at 5400–5580 Airport Way South, in Seattle, Washington (the site). Kelly-Moore's objective is to clean up the site in compliance with requirements established by the Washington State Department of Ecology (Ecology) under the state Model Toxics Control Act (MTCA) via the Washington State Voluntary Cleanup Program (VCP) and attain No Further Action (NFA) status for the site.

Project information:

- **Site name**: Kelly-Moore Paint Company, Seattle, Washington
- **VCP Number**: NW2305
- **Project Consultant**:
  Kathleen Goodman and Patrick Hsieh
  Amec Foster Wheeler
  Environment & Infrastructure, Inc.
  600 University Street, Suite 600
  Seattle, Washington 98101
  (206) 342-1760
- **Current Owner/Operator**:
  NCD GeorgeTown, LLC (owner of northern portion)
  JST Georgetown, LLC (owner of southern portion)
- **Responsible Party for Cleanup**: Kelly-Moore Paint Company, Inc.

The site has been used for a variety of industrial and related purposes since the early 1900s. Kelly-Moore acquired the site in 1994 and operated a paint manufacturing plant that blended paints and pigments from approximately 1994 to 2008. By 2010, Kelly-Moore had ceased manufacturing operations, vacated the site, and leased much of the northern portion of the site to a third party while a sale was negotiated for the southern half of the property.

In 2010, Kelly-Moore entered the VCP program and began moving through the MTCA process toward NFA status. A remedial investigation/feasibility study (RI/FS) report was submitted to Ecology in 2011 (AMEC Geomatrix, 2011). The proposed remedial action included soil excavation in selected areas, dual phase vapor extraction with biosparging, if feasible, and additional groundwater monitoring. Ecology provided feedback on the RI/FS in 2012, stating that the proposed cleanup alternative was appropriate as an Interim Action for the site that might lead to a final Cleanup Action, but that more supporting data would need to be provided to verify that objective (Ecology, 2012).

The potential sale of the northern property or its future use were uncertain during 2012 and 2013. During this period Kelly-Moore spoke with potential buyers and evaluated options for moving forward with the cleanup under a variety of scenarios, including retaining all or a portion of the property until after cleanup was complete. Final decisions on the remedial approach for the site, however, remained contingent on whether the property would be sold and its future anticipated use. In 2014 the northern portion of the property was sold. As part of that sale, Kelly-Moore agreed to take responsibility for certain aspects of the site cleanup and is working collaboratively with the new owner to conduct additional interim measures that the transfer of ownership made feasible due to on-site demolition and construction activities.

This Revised RI updates the site conceptual model presented in the 2011 RI/FS (including additional data collected since the 2011 RI), documents interim actions completed since 2011, and updates the evaluation of the nature and extent of contamination.

1.1 PURPOSE

This revised RI updates the 2011 RI to provide Ecology with changes to the nature and extent of contamination following completion of various interim cleanup actions that have been performed by Kelly-Moore as a result of sale and redevelopment of the property. This RI further characterizes the nature and extent of contamination on the site per Washington Administrative Code (WAC) 173-340-350(7)(a).

1.2 REPORT ORGANIZATION

This report is organized as follows:

- Section 1 describes the purpose of the RI.
- Section 2 describes the site in the context of its location.
- Section 3 describes the natural conditions in the vicinity of the site, including geology, surface water, groundwater, and potential receptors.

- Section 4 summarizes previous investigations and remedial actions conducted at the site, including potential sources of contamination.
- Section 5 describes the nature and extent of contamination at the site.
- Section 6 summarizes the site conceptual model, combining the hydrogeologic conceptual model with contaminant pathways and analysis of potential receptors.
- Section 7 describes the applicable cleanup standard for the site.
- Section 8 summarizes the areas of the site requiring cleanup based on the applicable cleanup standards and the extent of contamination.
- Section 9 provides recommendations to address data gaps.
- Section 10 lists the references used in preparing this report.

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2.0 SITE INFORMATION AND HISTORY

The site is located on the east side of Airport Way South at the intersection of South Lucile Street and Airport Way South in the Georgetown neighborhood of Seattle, Washington (Figure 2-1), and covers approximately 2.7 acres. A complete legal description of the property is provided in Appendix A. The former layout of the site is provided for reference since the majority of remedial activities occurred prior to 2015 (Figure 2-2). The property is bordered on the north by BNSF Railway Company (BNSF) tracks and the Olympic Foundry, on the west by Airport Way South and the Airport Way South overpass, on the east by BNSF tracks and a steep hillside, and on the south by an Interstate 5 connector ramp overpass (Figure 2-3).

2.1 PROPERTY DEVELOPMENT AND USE HISTORY

The site has been used for industrial purposes since the early 1900s. The southern portion of the site was used as an auto garage, wrecking yard, and/or service station from the 1920s through the 1940s and as a machinist union hall until the 1990s. The northern portion of the site was used by Pacific Coast Coal Company in the 1940s, and by the Preservative Paints Factory and Asphaltum Products Roofs and Mineral Paints dating back to 1929. Sanborn Fire Insurance maps for the period between the 1920s and 1950 were reviewed during the previous Phase I Environmental Site Assessments (ESAs) (SEACOR, 1994 and 1997a) and also indicate industrial use of the site and the presence of underground storage tanks (USTs). Over the years, a series of USTs were installed and periodically replaced at the site, as described in Section 4. The site USTs documented were located in the central area of the site (between the southern warehouse and the northern building conglomeration). Two additional previously unknown USTs were found and removed in 2015, as described in Section 8.1. These USTs also were in the central area of the site, underneath the southern end of the former northern parcel building complex.

The site currently consists of a large warehouse building and a mostly paved parking lot surrounded by landscaping in the southern portion of the site and a new building undergoing construction that will occupy most of the northern portion of the site. The northern and southern portions of the site are separate property parcels, as shown on Figure 2-3, and both parcels have been sold by Kelly-Moore. The former building complex in the northern portion was a large conglomeration of buildings of various ages that had been present on the site in some form since the 1920s (SEACOR, 1994, 1997a and b). Figure 2-2 shows the configuration of the former northern and central building complexes. Usage of the former buildings in the northern and central portion of the site prior to the cessation of manufacturing in 2008 consisted of:

- Building 1 – Used for warehousing but reportedly was formerly used as a tooling area.

- Building 2 – Used for warehousing.
- Building 3 – Used for warehousing, but a maintenance shop was reportedly located here in the past.
- Building 4 – Used for warehousing.
- Building 5 – Used for warehousing. A door opens to the east side of the site and an outdoor dumpster. A map provided in earlier Phase I ESAs (SEACOR, 1994 and 1997a) indicates that this area was formerly used for outdoor storage and was not enclosed as part of the building conglomeration until after 1985.
- Building 5A – Used for product storage tanks; a long strip floor drain in the building was routed into a 6-foot-deep sump.
- Building 6 – Two-story building used for paint manufacturing.
- Building 7 – Used for paint manufacturing. A former maintenance shop was reportedly located here in the past. A small electrical room (confined space) located upstairs in this building is accessible only by ladder.
- Building 8 – Used for paint manufacturing. A smaller former retail area located on the west side of the building also includes a second story that was used for manufacturing.
- Building 9 – Used for warehousing and includes office space and restrooms on the west side of the building.
- Building 10 – Used for warehousing. This building does not have an exterior wall on the east side and is open to the outdoor loading dock area on this side.
- Building 12 – Used for office space.

The large warehouse building south of Building 10 (Figure 2-2) was constructed in 1997. An open, paved parking lot is located south of this southern building.

2.2 CURRENT SITE USE AND FACILITIES

Figure 2-3 shows a recent aerial photograph of the site, after demolition of the northern structures and shows the preliminary outline of the building currently under construction.

Most of the site is (or will be) paved or covered by buildings. The properties immediately east and north of the site are also paved. These neighboring properties to the north and east (upgradient) are active rail line areas and have been in industrial use for a similar length of time as the subject site. Interstate 5 also parallels the site's eastern border; the elevated freeway runs north-south along the west slope of Beacon Hill, approximately 350 feet from the site.

The site is generally accessed via Airport Way South by multiple entrances on the west side of the buildings. All existing entrances and parking areas are shown on Figure 2-3. Aboveground and underground utilities exist in the area. Additionally, underground utilities exist in the right-of-way on Airport Way South and have prevented investigative borings in areas west of the property line.

Zoning for the site is Industrial General 1 and Industrial General 2 for general industrial use, as shown in documentation provided in Appendix A.

The southern parcel is leased by Elysian Brewing (a beer manufacturer), which moved into the warehouse in 2011 to add bottling capacity to its operations. Pursuant to the agreement with the purchaser of the southern portion of the site, Kelly-Moore will continue to conduct certain environmental and cleanup activities on the southern parcel as may be appropriate. The northern parcel was sold by Kelly-Moore in 2015 to NCD GeorgeTown, LLC. It is anticipated that Elysian Brewing will be the primary tenant of the new building under construction on the northern portion of the site. Kelly-Moore maintains responsibility for certain environmental investigations and cleanup actions pursuant to the agreement with the purchaser of the northern parcel.

2.3 RECENT VCP PROGRESS/DECISIONS IN CONJUNCTION WITH PROPERTY DIVESTITURES AND DEVELOPMENTS

The current environmental investigation and cleanup work was initiated by Kelly-Moore following the cessation of manufacturing activities in 2008 and as a result of the anticipated divestiture of the property. As described in Section 2.1, the property has had a long history of industrial activities, primarily associated with paint manufacturing and sales. By 2009, Kelly-Moore was no longer using the property and was leasing the buildings to various tenants. Due to the former usage of the property and the age of the buildings, it was anticipated that any redevelopment of the site would require major renovations and/or demolition.

In addition, based on previous USTs removal records, Kelly-Moore was aware of the potential for environmental contamination of soil and groundwater at the site. Six USTs used to store paint manufacturing components by a prior operator at the site were removed in 1985, and an additional 14 paint product USTs were removed in 1997–1998 (SEACOR, 1998). When the USTs were removed in 1997–1998, darker colored soil, indicating a potential release, was observed near the perimeter of the excavation. Greater than 1,000 tons of contaminated soil was excavated and disposed of off site as part of the UST removal. In general, excavations did not extend below the water table. Sampling of soil at the base and perimeter of the excavation identified several volatile organic compounds (VOCs) and total petroleum hydrocarbons (TPH) (as mineral spirits/Stoddard solvent) at concentrations greater than MTCA Method A cleanup levels. A 2009 Phase II ESA identified contaminant

concentrations in soil and groundwater on the property that were greater than MTCA Method A cleanup levels, primarily TPH and VOCs (AMEC Geomatrix, 2009a). Based on these findings, Kelly-Moore proceeded to enter into the VCP in June 2010 and begin characterization of the site in preparation for cleanup, with a goal of attaining NFA status for the site.

As part of sampling at the property in 2009, polychlorinated biphenyls (PCBs) were identified in the interior of certain buildings in some areas on the floors. Upon the identification of PCBs, Kelly-Moore, working with the U.S. Environmental Protection Agency (EPA), performed a self-implemented PCB cleanup under the Toxic Substances Control Act (TSCA). PCBs were primarily confined to flooring material and have never been detected in groundwater. PCB contamination was successfully cleaned up in coordination with EPA and documented in accordance with TSCA between 2009 and 2015 in all areas of the site.

An RI/FS report was submitted to Ecology in 2011 (AMEC Geomatrix, 2011). The proposed remedial action included soil excavation in selected areas, dual phase vapor extraction with biosparging if feasible, and additional groundwater monitoring. Five permanent monitoring wells were installed and groundwater monitoring was initiated to supplement the data collected during the earlier Phase 2 and RI stages. Ecology provided feedback on the RI/FS in 2012, stating that the proposed cleanup alternative was appropriate as an Interim Action for the site that might lead to a final Cleanup Action, but that more supporting data would need to be provided to make that determination.

During 2012–2013, Kelly-Moore development and/or property divestiture plans were uncertain. As a result, monitoring activities took precedence over more aggressive remedial actions. Kelly-Moore negotiated with potential buyers and evaluated options for moving forward with the cleanup under a variety of scenarios, including potentially retaining all or a portion of the property until after cleanup was complete. For example, it was understood that if the buildings on the north end of the site could be removed, it would open the possibility of more easily performing several aspects of the cleanup planned in the 2011 RI/FS (targeted soil excavation work under the building) and more aggressive treatment options would be feasible than with the buildings standing.

With the development plan and interim actions in flux, RI data collection proceeded during the 2012-2013 period. Groundwater sampling was performed at the permanent wells to assess groundwater trends following the 2009 soil excavation work during removal of nine USTs (AMEC Geomatrix, 2010c). The sampling showed an 86 percent reduction in contaminant concentrations in MW-3 and 36 percent reduction in MW-4 between 2011 and 2013. This reduction in concentrations resulted in a re-evaluation of the RI/FS. A wider groundwater monitoring network was informally discussed with Ecology in 2013 and a plan was prepared outlining data collection needs to evaluate

natural attenuation at the site. Ecology commented on that plan in 2014 and specified additional data that should be evaluated in order to characterize and clean up the site.

A sale of the northern parcel was negotiated in 2014 and Kelly-Moore sold the property. The new owner planned to demolish all of the aboveground structures and build a new building immediately following the sale. At the time the property transfer was negotiated, Kelly-Moore worked with the new owner to coordinate further clean up at the site during the anticipated demolition. Kelly-Moore also discussed how to administratively manage the redevelopment with the new owner, because the development changed the site constraints assumed in the 2011 RI/FS. The new owner began building demolition on the northern portion of the site in 2015.

During demolition of the buildings, a much larger area of the site was temporarily accessible for cleanup activities. With that in mind, an interim action plan was presented to Ecology in April 2015 (Amec Foster Wheeler, 2015a) which summarized the more aggressive cleanup measures and additional investigation beyond the cleanup originally planned in the 2011 RI/FS. The interim action plan included soil and groundwater treatment with chemical oxidation, the additional excavation of certain contaminated soil located under the footprint of the now demolished buildings, collection of soil samples from excavations, and direct push groundwater sampling to further characterize groundwater. Additional data collection was conducted to evaluate the long term cleanup progress. The interim action plan and data collection was initiated concurrent with redevelopment of the property. A plan to perform the final phase of the self-implementing cleanup for the remaining PCBs required under TSCA was submitted to and approved by EPA, and was also implemented as part of demolition.

The interim action activities that were completed in 2015 have significantly changed the conceptual site model since the 2011 RI/FS was prepared. The intent of the cleanup actions performed during 2015 was to take advantage of on-site demolition by performing further source removal prior to new building construction and to construct treatment infrastructure that would aid in expediting the overall cleanup timeline. The work assumed additional treatment and monitoring would likely be required to achieve NFA status for the site. Consistent with the VCP program, during this period Kelly-Moore planned and documented interim actions for reporting to Ecology consistent with the MTCA cleanup process.

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3.0 PHYSICAL NATURAL CONDITIONS

This section describes the physical setting of the site.

3.1 PHYSIOGRAPHIC SETTING/TOPOGRAPHY

The site is located immediately west of Beacon Hill, a topographically high area in the vicinity of the site, and along the eastern boundary of the Duwamish valley floor. The Duwamish valley is the floodplain of the formerly meandering Duwamish River, which has been historically filled to prevent/control flooding and to channelize the Duwamish Waterway, which is located approximately 5,000 feet west of the site.

3.2 GEOLOGY

This section describes the geology of the site, including regional and site geologic conditions.

3.2.1 Regional Geologic Setting

The site lies at the western base of Beacon Hill, in an area consisting of fluvial deposits made up of interbedded layers of sands, silts, and silty sands. Overlying the fluvial deposits is fill material that was placed throughout the local region early in the twentieth century and as part of the channelization of the Duwamish River into what is now the Duwamish Waterway, when industrial development began in the area. Fill material typically used in the region may include dredged sediments (SEACOR, 1994) but also may include other types of fill such as construction and wood debris.

Boring logs for nearby borings directly west of the site show these sand and silt layers present to depths of at least 50 to 60 feet, and one log shows relatively shallow bedrock encountered at 55 to 60 feet (PSC, 2003). These boring logs are included in Appendix B.

3.2.2 Property Geologic Conditions

Local geology was investigated and reported during a Phase II ESA and supplemental Phase II investigation (AMEC Geomatrix, 2009b and c, 2010a), as well as during this RI. Figures 3-1 and 3-2 show the locations of borings installed during these investigations. Boring logs for the site are included in Appendix B.

The shallow stratigraphy beneath the site consists of sand, silt, and occasional gravel fill. Other apparent historical fill material was also encountered at some borings, including brick at borings KM-1, KM-5, KM-16, and KM-28; wood fragments at KM-10,KM-15, and KM-22; blackened, potentially burned material at KM-5, KM-7, KM-8, KM-11, KM-15,KM-16, KM-23, KM-24, KM-25, KM-26, KM-27, and KM-29; and crushed concrete at KM-14.

3.3 SURFACE WATER

Other than stormwater runoff, no surface water is present on or near the site. Surface water prior to 2015 infiltrated into the soil in unpaved areas of the site (Figure 2-2). Some stormwater may have also discharged to the City of Seattle storm sewer system via a connection on Airport Way South (based on historic City of Seattle sewer card maps). The current site (Figure 2-3) is completely paved aside from planter boxes and some designed landscaping and includes a new stormwater system that will be connected to the City of Seattle storm sewer system by the new owners (NCD GeorgeTown, LLC).

The closest surface water body is the Duwamish Waterway, located 5,000 feet west of the site.

3.4 GROUNDWATER

Based on review of environmental investigations conducted near the site and water levels measured at the site, groundwater flows to the west (PSC, 2003). Construction details for existing groundwater monitoring wells at the site are provided in Table 3-1, and survey data for these wells are provided in Table 3-2.

Groundwater was generally encountered between 5.5 and 11.5 feet below ground surface (bgs) in borings conducted at the site. Depth to groundwater was greater in the borings below the southern warehouse because of the elevation of the warehouse floor, which was constructed approximately 3 to 4 feet higher than the surrounding grade, using imported fill. This building was constructed above the normal ground surface to accommodate a loading dock on the south side.

Water levels were measured at the five new monitoring wells at the site in March 2011 and June 2013 (Table 3-3). The potentiometric surface map for these events are included as Figure 3-3, confirming the western flow direction with an elevation change of less than half a foot across the site. The observed depth to water is also presented in the cross sections presented in Section 5.

3.5 NATURAL RESOURCES AND ECOLOGICAL RECEPTORS

Ecological receptors are not anticipated to be present at the site or to be influenced by potential releases from the site. Amec Foster Wheeler completed a Simplified Terrestrial Ecological Evaluation in accordance with WAC 173-340-7492(2)(a)(ii) to assess the site's potential for posing a significant threat to terrestrial ecological receptors. The completed evaluation indicates that ecological screening criteria do not apply to the site, since all remaining soil contaminated with hazardous substances is, or will be, covered by buildings, paved roads, pavement, or other physical barriers that will prevent plants or wildlife from being exposed to the soil contamination (WAC 173-340-7491[1][b]); the site is not located on, or directly adjacent to, an area where management or land use plans will maintain or

restore native or semi-native vegetation (WAC 173-340-7491[2][a][i]); and the site is not used by a threatened or endangered species (WAC 173-340-7491[2][a][ii]). A copy of the completed evaluation is presented in Appendix E.

Aquatic ecological receptors in surface water are not expected to be exposed to hazardous substances due to potential releases from the site since the nearest surface water body, the Duwamish Waterway, is approximately 5,000 feet west of the site. As discussed in Section 3.3, no surface water is present on or near the site.

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4.0 ENVIRONMENTAL INVESTIGATION/INTERIM ACTION SUMMARY

Environmental investigations and prior remedial actions have been performed at the site (Table 4-1). Work performed during these investigations is briefly summarized in this section, including a description of constituents of potential concern (COPCs) evaluated during these investigations and a description of work performed for each environmental medium. The previous investigations identified the COPCs as constituent of concern (COCs) that were above the action levels established for each investigation. In this RI, the term COPC is used instead of COC to identify chemicals that have concentrations above the screening levels, to follow MTCA regulations. More detailed descriptions of activities conducted during these investigations and actions are available in the referenced reports below. Boring logs are provided in Appendix B. Construction details for existing groundwater monitoring wells at the site are provided in Table 3-1, and survey data for these wells are provided in Table 3-2.

The main stages of investigation and interim remedial actions at the site have included the following:

- **1985–1987 UST Decommissioning and Removal**: SEACOR reported that several phases of UST decommissioning and removal were performed at the site:
  - In 1985, six USTs used to store paint manufacturing components were decommissioned and removed from the site.
  - A diesel UST was removed from the southern portion of the site around 1987, and a Bunker C heating oil UST was removed around 1989.
- **1994 and 1997 Phase I ESAs:** SEACOR conducted two Phase I ESAs (SEACOR 1994, 1997a and b).
- **1997 UST Removal:** In 1997, SEACOR conducted a UST tank removal and installation. SEACOR described the results of the project, as well as associated soil sampling conducted during the project (SEACOR, 1998).
    - In 1997, a small (300-gallon) UST was found under the northern building complex during a demolition project and was removed (SEACOR, 1994 and 1997a). In addition, SEACOR removed a total of 14 USTs used to store paint products, including several tanks that had been replaced during the 1985 UST removal. When the tanks were removed, soil around the perimeter of the excavation was darker than the soil surrounding the USTs and emitted a hydrocarbon-like odor, indicating a potential release. However, because of the lighter soil surrounding the tanks and the good condition of the tanks, SEACOR concluded that the soil staining was likely a result of leaks from the USTs previously removed from these areas in the mid-1980s (SEACOR, 1988). SEACOR conducted soil sampling at the base and perimeter of the excavations. Several COPCs (VOCs and TPH as mineral spirits/Stoddard solvent) were detected at elevated concentrations. An additional seven new

USTs were installed by SEACOR in the open paved area between the northern building complex and the southern building, leaving a total of nine USTs on the site. The purpose of these new tanks was to store paint products.

- **1997 Vapor Barrier Installation:** A vapor barrier was installed as part of the construction of the southern warehouse building. Photographs of the installation are provided in Appendix C. Further details of the installation are unavailable.

- **2009–2010 Phase II ESAs:** Amec Foster Wheeler (as AMEC Geomatrix) conducted a limited Phase II ESA in 2009 to provide a preliminary evaluation of soil and groundwater conditions at the site and identify the type and magnitude of potential environmental releases (AMEC Geomatrix, 2009b and c). A second stage of this work was completed in late 2009 to further investigate the extent of selected COPCs detected in groundwater at the north portion of the property in Building 3 via the installation of additional borings (AMEC Geomatrix, 2010b). A third stage of this work was conducted in 2010 to evaluate conditions underneath the southern warehouse building, as well as COPC concentrations in indoor and outdoor air, prior to the sale of the southern parcel (AMEC Geomatrix, 2010a).

- **October 2009 UST Removal:** Amec Foster Wheeler (as AMEC Geomatrix) oversaw the decommissioning and removal of the nine USTs (consisting of seven 8,000-gallon product USTs and two 7,000-gallon containment USTs) and appurtenant piping on site after the 1997 SEACOR work, and the removal of other historical piping associated with former USTs at the site (AMEC Geomatrix, 2010c). During the UST decommissioning, additional investigations and excavation were conducted where feasible to address issues identified during the field work. In addition, over-excavation of contaminated soil was performed in several areas, and soil and groundwater samples were collected and analyzed from the sidewall and/or bottom of the excavation at the final extent of the excavation. Seven of the product storage tanks (USTs 3 through 9) were found to contain a variety of products to depths of approximately 8 to 12 inches. The remnant products in the tanks were removed. These products varied from a thin, colorless liquid to a dark, honey-like, non-flowing resin. The two containment tanks (USTs 1 and 2) were reportedly used to contain fire suppression water and spill overflow from the manufacturing facility; however, facility employees indicated that no releases into these tanks had occurred, and water observed in the tanks and tested during the decommissioning was considered likely to be stormwater (AMEC Geomatrix, 2010c). All tanks were observed to be undamaged, with no pitting, staining, or holes. However, several sets of older piping were encountered in the UST excavations; these pipes were not associated with the USTs removed during the 2009 UST decommissioning and were presumably related to USTs removed during prior actions. Wherever possible, older piping was removed, including a 65-foot section that was located beneath Building 7. Soil was excavated to a depth of 9.5 to 10.5 feet bgs in most portions of the excavation and was disposed of off site.

- **2008–2015 PCB Investigation and Cleanup:** Starting in 2008 and continuing through 2015, Kelly-Moore performed a PCB cleanup within the interior of certain on-site buildings, consistent with the Self-Implementing Cleanup Standards described in TSCA, which include submitting work plans and all cleanup reports to the EPA (AMEC Geomatrix, 2010d). Several areas of concrete flooring in Building 6 and Building 7 were scarified to

remove the PCBs. Analytical results of samples from the scarified concrete surfaces in Buildings 6 and 7 showed PCB concentrations less than 1 milligram per kilogram (mg/kg) in the remaining concrete flooring material. The sample locations are provided in Figure 4-1. Areas of flooring and scale pits in Building 8 showed PCB concentrations greater than 1 mg/kg, which is the bulk PCB remediation waste cleanup standard for high-occupancy areas (Code of Federal Regulations, Title 40, Part 761.61). As a result of these findings, institutional controls were established as an interim action for Building 8. Building 8 was sealed off, and signage was installed to indicate that building materials remained present with PCBs above regulatory limits (Amec Foster Wheeler, 2015b).

- **2011 Data Gaps Investigation:** In 2011, Amec Foster Wheeler conducted additional soil and groundwater sampling and installed five monitoring wells (KMW-01 to KMW-05) at the site to complete the RI and provide data to further support cleanup planning.

- **2011 Remedial Investigation and Feasibility Study:** In 2011, Kelly-Moore submitted a RI/FS report to Ecology for review, consistent with the VCP (AMEC Geomatrix, 2011). The proposed remedial action included soil excavation in selected areas, dual phase vapor extraction and biosparge if feasible, and additional groundwater monitoring. Cleanup technologies evaluated at the time assumed the ongoing presence of the buildings on the north and south end of the site, as no formal plans for sale or demolition were known at that time.

- **2013 Groundwater Sampling and Monitored Natural Attenuation Work Plan:** Groundwater sampling was performed in 2013 at five wells previously sampled to assess how groundwater concentrations may have changed after the soil excavation work performed in connection with the October 2009 UST removals. Reductions in contaminant concentrations were observed in several wells, indicating the alternatives reviewed in the RI/FS should be re-evaluated because concentrations of COPCs had decreased substantially since 2011. Implementation of a wider groundwater monitoring network was informally discussed with Ecology, and a plan was prepared, to further evaluate natural attenuation of COPCs at the site.

- **2015 PCB Cleanup Inside the Footprint of Building 8:** In 2014, after Kelly-Moore sold the northern portion of the property, the new owner made plans to demolish Building 8, and to manage removal of the remaining PCBs from the footprint of Building 8 as part of demolition planning and waste management. A PCB Closure and Characterization Plan Addendum (AMEC, 2014), was submitted to EPA, in support of this effort and approved in February 2015 (EPA, 2015). The goals of the cleanup were to address remaining areas where concentrations of PCBs were greater than 1 part per million and to perform confirmation sampling to evaluate the success of mitigation measures. The cleanup involved demolition of the aboveground structures, segregating previously-identified PCB-containing building materials from Building 8, removal of the southern portion of concrete slab from former Building 8, soil sampling beneath the slab, and follow-up excavation as needed based on the soil sample results. Several floor scale pits were also removed, along with surrounding soil. Following demolition and soil removal, all confirmation samples collected at the site were below the high occupancy PCB cleanup level of 1 part per million (Amec Foster Wheeler, 2015b).

- **2015 Groundwater Sampling:** Groundwater samples were collected from nine direct push borings in March 2015 to evaluate current conditions and aid in evaluating treatment options in the area of highest known groundwater concentrations of COPCs. Results are included in this report.

- **2015 Hot Spot Soil Excavation and Treatment:** After demolition of the older buildings on the north end of the site in 2015, hot spot soil excavations were conducted in selected areas that were previously identified as having contaminated soil above proposed site preliminary screening levels. Areas were selected for excavation and off-site disposal based on contaminant concentrations, depth, and estimated areal extent. In total, six areas were selected for hot spot soil excavation and treatment. Five of the excavation areas were identified by historical boring numbers (KM-19, KM-30, KM-32, KM-39, and KM-41). The sixth area is known as the ”piping trench excavation” and was in the area of underground piping discovered and partially excavated during the October 2009 UST removals. Due to the overlying buildings, only very limited excavation and piping could be done during the original excavation in 2009. Confirmation samples were collected from the, north, south, east, and west sidewalls and the bottom of the five excavation areas (KM-19, KM-30, KM-32, KM-39, and KM-41). Several constituents, including benzene, toluene, ethylbenzene, and xylenes (BTEX), gasoline, and benzo(a)pyrene, still remain above preliminary screening levels in each of the five excavation areas. Results are discussed in Section 8 of this report.

- **2015 Well Abandonment:** KMW-01 and KMW-02 were abandoned in February 2015 after demolition of the older buildings on the north end of the site in 2015. The well abandonment records are located in Appendix B. Attempts were made to abandon KMW-03 and KMW-05, but efforts to locate them were unsuccessful. It is assumed they were accidentally removed during the construction of the new building foundation. KMW-04 remains intact on site.

5.0 NATURE AND EXTENT OF SITE CONTAMINATION

Section 5 describes the nature and extent of COPCs resulting from releases of hazardous substances on the Kelly-Moore property. COPCs were selected for analysis during various investigations based on historical use of the site. A complete list of hazardous substances that have been found at the site during previous investigations is provided in Table 5-1.

Most soil samples were analyzed for metals; gasoline-range petroleum hydrocarbons (TPH-G), lube oil-range petroleum hydrocarbons, and diesel-range petroleum hydrocarbons (TPH-D); VOCs; and semivolatile organic compounds (SVOCs). Selected soil samples were collected for the analysis of more limited suites of constituents, normally during focused investigations for the presence of a particular COPC or set of COPCs in a given area of the site. About half the groundwater samples were analyzed for metals, TPH-G, TPH-D, VOCs, SVOCs, and PCBs. In areas where COPCs had previously been evaluated, more focused investigations were conducted and samples were analyzed for a more limited suite of metals, TPH-G, VOCs, and SVOCs. In these focused investigations, the previous investigations had not identified TPH-D and/or PCBs. Figures 5-1 to 5-4 show cross sections of the site with TPH-G concentrations.

5.1 NATURE OF CONSTITUENTS OF POTENTIAL CONCERN

5.1.1 Soil

As discussed in detail in Section 4.0, site soils were investigated during several historical investigations (SEACOR, 1997a and b; King County Department of Health, 1998). Most historical samples were collected in areas from which the soil was later excavated and removed during the UST decommissioning and removal in 2009 (AMEC Geomatrix, 2010c). In addition, soil samples were collected during several investigations between 2009 (AMEC Geomatrix, 2011) and 2015. Soil samples were analyzed for COPCs.

The locations of soil sampling conducted at the site during previous investigations are shown in Figure 3-1; only samples from locations not excavated and removed are shown. The precise locations of samples were not surveyed during historical investigations conducted prior to Amec Foster Wheeler's retention by Kelly-Moore; therefore, Figure 3-1 shows the approximate location of these samples, based on historical records and maps. Because the precise locations of these samples are unknown, it is possible that some soil from the areas of pre-Amec Foster Wheeler investigations may have been removed during subsequent investigations/cleanups.

The soil samples include confirmation samples collected during UST decommissioning and removal activities (SEACOR, 1994, 1997a, and 1998; AMEC Geomatrix, 2010c) and soil excavations, and soil

samples collected from borings advanced on site (AMEC Geomatrix, 2009a, 2010b and e). In all cases, soil samples were collected only above the observed water table at the time of collection. In most borings, the water table was encountered at depths of approximately 5 to 6 feet, except in borings in the southern warehouse, where depth to water was as much as 11.5 feet bgs, apparently due to the placement of artificial fill.

Soil samples collected during investigations of the site have been found to contain concentrations of some COPCs above MTCA Method A cleanup levels (used for preliminary screening of site data). Summary soil analytical results for samples collected at the site from 2009 to 2015 are provided in Tables 5-2 to 5-6 (including the depth of each sample), as well as on Figures 5-5 through 5-9. The full site data set is provided in Appendix D and has been uploaded to Ecology's Environmental Information Management database, as required under the VCP. A detailed discussion of these analytical results and comparisons to the preliminary screening levels for the site are provided in Section 5.4.1, where these results are used to delineate the nature and extent of soil contamination at the site.

5.1.2 Groundwater

Groundwater sample locations from historical environmental investigations are provided on Figure 3-2. Groundwater samples were analyzed for the COPCs listed in Table 5-1. Previous groundwater investigations are detailed in Section 4.

Groundwater samples collected during previous investigations, as well as during sampling as part of this RI, have been found to contain concentrations of some COPCs above MTCA Method A cleanup levels (used for preliminary screening of site data). Summary groundwater analytical results for samples collected at the site are provided in Tables 5-7 to 5-12 (including the depth of each groundwater sample location), as well as on Figures 5-10 through 5-14. The full site data set is provided in Appendix D and has been uploaded to Ecology's Environmental Information Management database, as required under the VCP. A detailed discussion of these analytical results and comparisons to the preliminary screening levels for the site are provided in Section 5.4.2, where these results are used to delineate the nature and extent of groundwater contamination at the site.

5.1.3 Air/Soil Vapor

Air sampling was conducted inside the southern warehouse in September 2010 (AMEC Geomatrix, 2010g). The purpose of the air sampling was to determine whether there was any indication of airborne COPCs inside the building after the installation of the vapor barrier. Potential emissions could include incidental historical spills of coating products and solvents on indoor concrete floors during

warehousing operations and emissions from groundwater to the building interior due to contamination originating on- or off-site.

Air samples were collected for 8 hours during daytime hours on September 8, 2010, using Summa canisters, while the facility heating, ventilation, and air conditioning system was operating at normal settings. Two samples were collected from approximately 4 feet elevation in two representative areas within the building for analysis of Stoddard solvent (also referred to as mineral spirits) and VOCs. One sample was collected from outside the southern portion of the building for analysis of VOCs. Very sensitive EPA sampling and analytical methods were used to ensure a detection limit that would identify a potential human health hazard if one existed.

The results on the day of sampling do not support a hypothesis that there is a potential indoor ambient air quality problem, as the measured concentrations were mostly undetectable despite the sensitive methods, and were far less than occupational exposure limits. The levels of VOCs indoors were comparable to the levels outside in the urban ambient air in this industrial area.

5.2 POTENTIAL SOURCES OF COPCS

The sources of COPCs at the site are presumed to be a combination of several of the following:

- Leaks or spills related to former USTs and related piping located in the central area of the site, but also including piping that ran underground into the buildings north of the former UST area.
- Leaks or spills during historical operations before the storage areas were paved or via sumps or catch basins. It is unknown when the property was fully paved, and the full historical use of all the areas is unknown.
- Releases that could have migrated from the neighboring rail line property, situated slightly uphill and hydraulically upgradient of the site, or other upgradient sources.
- Imported fill material is apparent in multiple locations across the site. Various fill materials have been noted during site activities. Historical records also indicate that the site may have been historically filled with material from unknown sources. Wood, coal, asphalt pieces, and other unidentified fill materials have been observed at the site in the subsurface borings and excavations. The dates of fill placement at the site are unknown.
- Air depositional contributions from the heavy industrial location of the site (between an interstate freeway, a major city arterial, and an active rail yard).
- Activities by former owners and operators at the site, prior to paint manufacturing.

5.3 FILL MATERIAL

Historic fill material has been observed in some excavations and investigative borings at the site, indicating that an assortment of fill materials may have been placed at the site over its developed history. No obvious pattern to the placement or depth interval has been noted, with different material observed at different depths in different areas. No information on the date that fill material may have been placed, either at the site or regionally, has been identified. Specifically, the following materials and locations were documented during investigations conducted by Amec Foster Wheeler:

- Wood boards of various size in Test Pit 3 (TP-3) at approximately 4-8 feet bgs beneath Building 10;
- Pink-colored soil in the excavation beneath Building 10 at approximately 3 feet bgs, and a 4-square-foot area of soil stained pink and white in the northwest corner of the containment tank excavation (sample location NWPipe), immediately below the concrete. The fill was sampled and no other CPOCs were found in the pink soil that warranted further investigation (AMEC Geomatrix, 2010c);
- Bricks, coal, and/or slag material in borings KM-1, KM-4, KM-7, KM-8, KM-16, KM-20, KM-23, KM-24, KM-26, (AMEC Geomatrix, 2010f); and
- Blackened, charred-looking fill (possibly from fire or staining by coal) in borings KM-4, KM-7, KM-8, KM-11, KM-15, KM-16, KM-24, KM-25, KM-26, KM-29, KM-30, KM-32, KM-39, KM-41, KMW-01, KMW-05.

In 2015, two new sources of fill were used on site to support construction of the new building on the northern portion of the site:

- Concrete from demolished building footings, walls, and floors was crushed and re-used on site. Only concrete that was acceptable for re-use on site as characterized by Amec Foster Wheeler (Amec Foster Wheeler, 2015b) was used for fill.
- Sandy soil was imported by NCD GeorgeTown LLC. Prior to import, three composite samples were analyzed for Resource Conservation and Recovery Act 8 metals and NWTPH-Dx (Appendix D). These samples were collected from a stockpile at the source site at 4441 42nd Ave SW Seattle, WA. Each composite sample was composed of four distinct sample locations. Fill was found to be below MTCA Method A cleanup levels for Unrestricted Use.

5.4 EXTENT OF COPC OCCURRENCE

This section presents the results of investigations into the nature and extent of contamination on the site. Comparison to preliminary screening levels that may trigger additional cleanup action is discussed in Section 8.

5.4.1 Soil

This section discusses the analytical results for contaminant occurrence in site soils by constituent class.

5.4.1.1 Metals

Analytical data for metals in soils are presented in Table 5-2. Metals were analyzed for samples collected from most soil borings, confirmation samples collected from the UST and piping excavation, and historical samples.

Metals were detected in all soil samples in which they were analyzed. The following metals were detected in some or all of the samples collected from the site: arsenic, barium, cadmium, chromium, copper, lead, nickel, and zinc. Results for arsenic, cadmium, and copper, the most commonly detected metals at higher concentrations, are shown on Figure 5-5. Metals are found naturally in the environment at varying concentrations and may also be introduced to the environment via anthropogenic releases. The metals noted above are commonly detected in urban environments and arsenic is a notable issue throughout the Puget Sound region.

5.4.1.2 TPH

Analytical data for TPH in soils are presented in Table 5-3. TPH-G and TPH-D were analyzed for samples collected from most soil borings and confirmation samples collected from multiple excavations. Several historical samples were also analyzed for TPH as mineral spirits/Stoddard solvent.

TPH-G is the most consistently detected constituent at the site. The magnitude of the current known extent of residual TPH-G in soil is shown in Figure 5-6 and actual concentrations are displayed in cross-section on Figures 5-1 through 5-4. TPH-G concentrations historically ranged up to 33,000 mg/kg. In general, the highest concentrations were detected in samples collected from deeper soils just above the water table, with lower concentrations detected in samples collected from the shallow interval. Concentrations above 1,000 mg/kg have been observed in areas beneath and west of former Buildings 5, 7, 8, and 10. Concentrations in shallower soils were particularly high near former known underground product piping that was not initially removed when USTs were decommissioned or replaced.

Three historical samples (S-1, S-2, and S-3) from the area of the north and east sidewalls of the older product tank excavation contained TPH as mineral spirits/Stoddard Solvent. However, a subsequent sample collected adjacent to the east sidewall sample (S-1) during the 2009 investigations

(Product-E2-Wall) did not contain detectable TPH, suggesting that contamination on the east sidewall is no longer present and may have been excavated.

The laboratory reports from the 2009 Phase II ESA (AMEC Geomatrix, 2009a) and the 2009 UST removal (AMEC Geomatrix, 2010c) indicated that some of the gasoline detections may instead be indicative of mineral spirits/Stoddard solvent, based on the chromatogram pattern observed during analysis. TPH in these samples was detected within the gasoline range but may not have always resulted solely from gasoline. Mineral spirits/Stoddard solvent, is commonly used as a paint thinner and solvent. Based on the previous manufacturing processes that occurred at the site, it is not unexpected that some of the contamination characterized by the analytical laboratory as gasoline range could have originated from mineral spirits/Stoddard solvent. The analytical laboratory typically reports mineral spirits/Stoddard solvent as part of the gasoline range unless requested to compare the chromatographs against product standards.

Concentrations of TPH in samples collected throughout the site show smaller source areas that do not always appear linked to one another and indicate that even after multiple excavations of the most highly-contaminated material, residual contamination at lower concentrations, particularly near and below the water table, is likely to exist over a large portion of the northern end of the site.

TPH concentrations on the southern half of the site decline rapidly, with only one location showing an elevated concentration (350 mg/kg at KM-22, near the north end of the southern warehouse building).

5.4.1.3 VOCs

Analytical data for VOCs in soils are presented in Table 5-4. The suite of VOCs shown in Table 5-4 were analyzed for samples collected from most soil borings, as well as for record samples collected from excavations. A more limited set of VOCs was analyzed for historical samples.

VOCs detected in at least one sample on site are 1,1-dichloroethane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 2-butanone, acetone, benzene, carbon disulfide, ethylbenzene, isopropylbenzene, m,p-xylene, methyl isobutyl ketone, methylene chloride, naphthalene (discussed in this report as an SVOC), n-butylbenzene, n-propylbenzene, o-xylene, p-isopropyltoluene, sec-butylbenzene, tert-butylbenzene, tetrachloroethene, toluene, trichloroethene (TCE), and trichlorofluoromethane.

Elevated concentrations of VOCs in soils are mainly located in the central area of the site, in the vicinity of former USTs and piping (mostly associated with USTs removed long ago). The BTEX detected in soils at the site (Figure 5-7) are likely related to the past releases of mineral

spirits/Stoddard solvent and gasoline. Mineral spirits/Stoddard solvent are a petroleum derivative, commonly used as paint thinner, with a high toluene content. Benzene is also expected to be present in mineral spirits but at much lower concentrations than toluene, ethylbenzene, and xylenes. However, gasoline was also used at the site, and both mineral spirits/Stoddard solvent and gasoline are probably sources of most of the VOCs detected in soils.

5.4.1.4 SVOCs

Analytical data for SVOCs in soils are presented in Table 5-5. Most soil samples collected between 2009 and 2010 included laboratory analysis for the suite of 78 SVOCs listed in Table 5-5. Soil samples collected between 2011 and 2015 were collected for a smaller suite of SVOCs, primarily polycyclic aromatic hydrocarbons (PAHs).Naphthalene was analyzed as both a SVOC and a VOC from 2009 to 2015. Total carcinogenic polycyclic aromatic hydrocarbon (cPAH) values expressed as the benzo(a)pyrene toxicity equivalency factor were also calculated according to methodology established in WAC 173-340-708(8).

PAHs were detected sporadically around the site, indicating that their presence may be related to non-native fill used at the site and area background conditions in this industrial neighborhood. Figure 5-8 presents results for benzo(a)pyrene, cPAHs, and naphthalene (the most commonly detected PAHs). The highest concentrations were observed in shallow soils at KM-32 in northern Building 4, and the B7-Trench in central Building 7. Soils from nearby sampling points contained concentrations of benzo(a)pyrene at least an order of magnitude lower than those at KM-32, KM-41, and the B7-Trench. These areas were subsequently excavated as described in Section 4.

5.4.1.5 PCBs

Analytical data for PCBs in soils are presented in Table 5-6. Individual PCB congeners were analyzed for most borings, for samples collected from the B7 Trench (samples B7-Trench-1, -2, and -3), and for soil samples collected from the bottom of scale pits inside Building 8.

PCBs were detected only in the central area of the site, within the interior of site buildings and interior scale pits. The highest concentrations of PCBs were observed in samples from the former Building 8 scale pits at concentrations of 44 mg/kg and 100 mg/kg for KM09-8-78 and KM09-8-79, respectively. Subsequent soil samples collected beneath and near the sumps showed much lower concentrations. PCBs were not detected at elevated concentrations in soil samples collected outside of the former Building 8 footprint. Cleanup of PCBs was completed in 2015 (Amec Foster Wheeler, 2015b) and final residual concentrations are shown in Figure 5-9.

5.4.1.6 Summary of Soil Results

The analytical results for soils indicate four main areas of concern for soil impacts due to COPCs: the former UST area, the southern warehouse, Building 8, and the northern portion of the site. These areas are described in this section by the apparent source area.

The most extensive soil impacts appear to be located in and near the former UST area and related piping in the central area of the site. The main constituents in this source area appear to be related to mineral spirits/Stoddard solvent and gasoline, including detections of TPH-G identified by the laboratory as being within the range of mineral spirits/Stoddard solvent, BTEX, and naphthalene. The extent of this impact extends beneath the former footprint of Buildings 7, 10, 8, and the westernmost portion of the southern warehouse.

Concentrations of constituents in soils underlying the westernmost portion of the southern warehouse appear to represent the southernmost edge of impacts related to the former UST source area. Metals, TPH-G and cPAHs have been identified in this area.

Elevated concentrations of TPH-G and cPAHs were identified in soils adjacent to the northern site boundary. The source of TPH-G and cPAHs in this area is unknown, but the chromatograms for TPH-G most closely match a gasoline standard (versus mineral spirits/Stoddard solvent). COPC concentrations in the vicinity of the former northern buildings are more sporadic, indicating that the source may be numerous isolated small spills that could have historically occurred in different areas.

5.4.2 Groundwater

This section discusses the analytical results for COPC occurrence in site groundwater by constituent class. Groundwater samples were collected from UST excavations (grab samples), from push-probes (unfiltered samples taken with a peristaltic pump), and from monitoring wells using low-flow sampling techniques. The grab samples taken from excavations are not considered in this analysis, consistent with normal data quality objectives, and were used in this RI primarily as indicators of contamination, rather than quantitatively. The push-probe samples were collected with low-flow sampling techniques; however, due to turbidity in open boreholes and the lack of filtering, it is possible that the metals and SVOC results could result from COPCs in soil particles present in the turbid water. The results for COPCs other than metals and SVOCs are considered reliable data from push-probe water sampling. Groundwater monitoring wells meet the quantitative requirements for all COPCs. Generally, the highest concentrations of COPCs observed at the site were detected in grab groundwater samples from the 2009 UST excavations and 2015 interim action.

5.4.2.1 Metals

Various metals were analyzed in groundwater samples collected during the previous investigations and UST excavations; the analytical data are presented in Table 5-7. All metals samples collected to date have been unfiltered and were analyzed for total metals (in contrast to samples filtered to remove solids, which are then analyzed for dissolved metals only).

Arsenic, copper, and lead were the mostly frequently detected metals. The highest concentrations were observed in the central area of the site. The concentrations of these metals are provided in Figure 5-10. As shown on Table 5-7, KM-1, located at the southern tip of the site, also showed an elevated lead concentration in groundwater (22 µg/L). Other southern locations (KM-2, KM-29, and KM-27) did not show similarly high concentrations; therefore, lead concentration for KM-1 seems to be an isolated detection. Elevated metals could be attributed to the fact that the samples were unfiltered and mostly from direct-push borings completed without a traditional sand pack. Monitoring well data, collected from wells with a traditional sand pack, support this theory, with only one detection of arsenic out of the five wells sampled (KMW-4 at 12 µg/L).

Total and dissolved metals, conventionals (i.e., alkalinity, chloride), and dissolved gases also were analyzed in the groundwater samples to assess natural attenuation (Table 5-8).

5.4.2.2 TPH

Analytical results for TPH in groundwater are presented in Table 5-9. TPH-G was the most frequently detected hydrocarbon. The highest concentrations have been observed in the central area of the site, near the northwest corner of the southern warehouse, as shown in Figure 5-11. Elevated concentrations of TPH-G also were detected at the north end of the site, although more sporadically. Unlike samples from the central area of the site, samples from the borings in the northern tip of the site (KM-16 and KM-22) were found to have a chromatogram indicative of gasoline rather than mineral spirits/Stoddard solvent, which is more prevalent in the central area.

The five permanent monitoring wells were sampled for TPH-G in 2011 and 2013. Monitoring wells KMW-03 and KMW-04 were sampled in 2015. Results of the 2013 sampling event showed that concentrations of TPH-G had decreased in concentration by 50 to 85 percent since the wells were sampled in 2011, with a further decrease observed at KMW-04 by 2015. Figure 5-12 shows the decreasing concentration of TPH-G from two monitoring wells on site. Samples were collected in March in both 2011 and 2015 indicating the drop in concentrations is unlikely to be the result of seasonal fluctuations (Table 5-9). Additional groundwater samples were collected from nine direct push borings completed in March 2015 to evaluate current conditions and aid in evaluating treatment options in the area of highest known groundwater concentrations. Locations and concentrations of

TPH-G in groundwater are shown on Figure 5-11. Results showed that while TPH-G concentrations at monitoring wells are decreasing, an area of elevated concentrations remains within the area west of the former USTs.

5.4.2.3 VOCs

Analytical data for VOCs in groundwater are presented in Table 5-10.

BTEX compounds were the most frequently detected VOCs, predominantly in the central area of the site (Figure 5-13). 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene were also detected in the central portion of the site at KM-22 and KMW-04 at elevated concentrations. The five permanent monitoring wells were sampled for BTEX in 2011 and 2013 and showed the concentrations of BTEX have decreased in concentration. In the northern portion of the site, vinyl chloride was detected at a concentration of 3.8 micrograms per liter (µg/L) at KM-16, and TCE was detected at a concentration of 9 µg/L at KM-17. Additional sampling performed in this area all showed lower detections of these constituents; therefore, the extent appears to be very limited or indicative of an off-site source (Figure 5-14).

5.4.2.4 SVOCs

The full suite of SVOCs from Table 5-11 was analyzed during the early phases of the Phase II investigation but analysis focused on PAHs in subsequent phases. Analytical data for SVOCs are presented in Table 5-11. PAHs have only been sporadically detected in several groundwater samples, with the highest concentrations of PAHs detected in borings KM-22, KM-36, KM-37, and KM-41 in the central area, and KM-32 in the northern area. PAHs were notably not detected in any of the samples collected from the permanent groundwater monitoring wells. PAHs are highly adsorptive to soil particles, and PAH concentrations from groundwater samples collected with push-probes may not be representative of actual concentrations, since the push-probe locations don't have permanent sand packs and have not been developed to minimize the turbidity of the water.

5.4.2.5 PCBs

PCBs were not detected in any of the eight groundwater samples analyzed during the initial Phase II investigation and are not considered a COPC for groundwater. The PCB sampling results, all indicating that PCBs are not present above laboratory detection limits, are listed in Table 5-12.

5.4.2.6 Summary of Groundwater Results

The analytical results for groundwater indicate three main areas of concern for groundwater impact: (i) the former UST area, (ii) the southern warehouse, and, to a lesser extent, (iii) the very north end of

the site. These areas are described in this section by the apparent source area. To aid in evaluating the presence of COPCs in groundwater as they may relate to residual soil contamination, both soil and groundwater concentrations of TPH-G, the most widespread COPC, are presented in cross sections (Figures 5-1 through 5-4).

The highest concentrations of COPCs in groundwater were located in and near the former UST area in the central area of the site. Groundwater samples collected from within the UST excavations in 2009 had elevated concentrations of constituents that appear to be related to mineral spirits/Stoddard solvent, although gasoline also is present (based on the chromatograms). However, concentrations have decreased significantly since the USTs were removed in 2009. The highest groundwater concentrations remaining are for TPH-G (identified by the laboratory as being within the range of mineral spirits/Stoddard solvent and some gasoline) and BTEX to the west-southwest of the former USTs beneath former Buildings 8 and 10 and the northwest corner of the southern warehouse (near KMW-04).

At the north end of the site, adjacent to the property boundary, VOCs (TCE and vinyl chloride), TPH-G, and naphthalene were present in groundwater. The source of these constituents in groundwater in this area is unknown and the impacts appear to be limited. TCE and vinyl chloride were detected in push probe samples in the low parts per billion in 2009, but were not detected at monitoring well KMW-02 in 2009 or 2013. TPH-G was identified in groundwater beneath former Building 5.

5.4.3 Air

Air sampling inside the southern warehouse in September 2010 found a barely measurable level of Stoddard-solvent-range hydrocarbons (also referred to as mineral spirits) in the warehouse office but none in the warehouse. Levels of the VOCs acetone, ethanol, methyl ethyl ketone, and toluene were similar in the office and warehouse, and similar to the levels in outdoor ambient air measured at the same time. The VOC 1,4-dioxane was barely detected in the warehouse office and was not detected in the warehouse. The results on the day of sampling do not support a hypothesis that there is a potential problem related to indoor ambient air quality because the measured concentrations were mostly undetectable despite the sensitive methods, and far below occupational exposure limits (Amec Geomatrix, 2010g) The levels of indoor VOCs were also comparable to the levels outside in the urban ambient air in this industrial area.

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6.0 CONCEPTUAL SITE MODEL

The conceptual site model (CSM) combines the hydrogeologic conceptual model with contaminant pathways and analysis of potential receptors. The CSM identifies human and environmental receptors based on land use and activities at and near the site and characterizes the nature of their contact with impacted media at and near the site. If a receptor has the potential to contact impacted media, a potentially complete exposure pathway is considered to exist.

The CSM is presented in Figure 6-1, which illustrates the current understanding of the potential sources and releases of constituents, generalized hydrogeologic information, and constituent distribution and transport at the site.

The CSM is based on assumed current and future industrial land use at the site and its location within an industrial area. The majority of the site is paved with asphalt or concrete; the only unpaved areas will be small areas with landscaping or planter boxes.

Ecological receptors are not expected to be present at the site or to be influenced by historic releases at the site because the majority of the site is paved or covered by buildings. Similarly, the surrounding neighborhood downgradient of the site is predominantly paved and characterized by industrial use.

Aquatic ecological receptors in surface water are also not expected to be exposed to COPCs from the site, because there is no surface water at the site and the site is located a significant distance (over 5,000 feet) from any surface water receiving bodies.

Human receptors are present at the site, although potential exposure is limited because the majority of the site is paved and groundwater is not used at or near the site. Workers inside buildings could be exposed to vapors that migrate from affected shallow soil and groundwater. An evaluation of the southern warehouse indicates that this is not a pathway of concern. The northern building is currently under construction, but with the removal of the majority of the source area, installation of an interim action SVE system under the northern building, and installation of a vapor barrier, the risk of exposure is limited to current construction workers and future tenants. An evaluation of indoor air inside the northern building is not planned until interior construction is complete (estimated to be approximately one year), as vapors from new paint and ongoing construction would likely mask any possible affects from sub slab contamination.

6.1 CONTAMINANT RELEASES

The site has been used for industrial purposes since the early 1900s and has a long history of industrial use, most recently as a paint manufacturing plant that discontinued manufacturing activities in 2008. Although the specific sources of COPCs in soil and groundwater at the site are unknown, Section 5.2 summarizes the potential sources and/or historic releases of COPCs.

6.2 FATE AND TRANSPORT

This section describes the site-specific fate and transport likely to occur given the site and COPC characteristics. Site data indicate that affected soil and groundwater remains at the site. Groundwater at the site flows at a slight gradient to the west-southwest away from Beacon Hill toward the Duwamish Waterway, located 5,000 feet to the west/southwest. The highest COPC concentrations are present in soil in the central area of the site, in the area encompassing the former USTs, former Buildings 7, 8, and 10, and the area to the west/southwest of these former structures. The highest contaminant concentrations in groundwater are present on the western edge of this area, in the direction of groundwater flow. Recent excavation of COPC-impacted soil is expected to decrease groundwater concentrations at the site. Available evidence also indicates that some COPCs are naturally degrading at the site. Depending upon the acceptable timeline for cleanup, further remediation of groundwater may be necessary.

6.2.1 Site COPC Characteristics

TPH-G and related VOCs (BTEX) are the primary COPCs found at the site in both soil and groundwater. SVOCs and metals are secondary COPCs, detected less frequently and at similar locations as the other driving COPCs. PCBs were also a COPC in the isolated areas where they had been detected within the former buildings at the site but have since been successfully remediated (Amec Foster Wheeler, 2015b).

6.2.1.1 Primary COPCs: TPH-G and BTEX

Petroleum hydrocarbons are a complex mixture of hundreds of chemicals, each with individual fate and transport characteristics (Potter and Simmons, 1998). TPH-G is typically fairly mobile within the environment, while TPH-D is typically less mobile. The solubility and volatility of all compounds generally decrease with increased molecular weight, and the more volatile and water-soluble compounds are lost most rapidly from source areas.

Degradation and biodegradation of petroleum hydrocarbons have been documented for numerous sites under a wide variety of geochemical conditions, indicating that these processes are likely to occur at most sites (Wiedemeier et al., 1999). When a mixture of petroleum hydrocarbons is released

into the environment, the composition changes with time due to natural attenuation processes often referred to as *weathering*. The type and degree of weathering depend on the initial composition of the petroleum mixture and on site-specific environmental conditions, because different types of hydrocarbons weather differently under different conditions. Petroleum compounds are also degraded readily in the subsurface by naturally occurring microbes under a wide variety of conditions. While petroleum compounds are typically degraded more quickly under aerobic conditions, anaerobic degradation can be equally effective at attenuating the concentrations of petroleum compounds. Because petroleum contains a complex and variable mixture of hydrocarbon compounds, all of which eventually break down to carbon dioxide and water or to methane (depending on the degradation environment), the breakdown processes produce no telltale daughter products that can be used as evidence that petroleum biodegradation is occurring. Since the source material has been removed, concentrations have already shown significant decreases (Figure 5-12) and natural attenuation processes will likely reduce petroleum hydrocarbon concentrations in groundwater even further over time.

These primary COPCs are generally representative of areas on site with COPCs above preliminary screening levels and function as effective indicator compounds for areas in need of further remedial actions.

6.2.1.2 Secondary COPCs: SVOCs

SVOCs occur in the environment both naturally and as a result of anthropogenic releases, including releases of petroleum products, and as byproducts of partial combustion (NIH, 2011). SVOCs include a number of PAHs (such as acenaphthene, acenaphthylene, anthracene, benzo(g,h,i)perylene, fluoranthene, fluorene, phenanthrene, and pyrene) and cPAHs (such as pentachlorophenol, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, chrysene, dibenzo[a,h]anthracene, indeno[1,2,3-cd]pyrene, and naphthalene) that were detected at the site.

With the exception of naphthalene, PAHs are typically fairly immobile in the environment because of their low water solubility, low volatilization potential, and strong tendency to adsorb to soil. Biodegradation is the primary natural mechanism of reduction of PAH concentrations in soil, with half-lives on the order of 0.5 to 1 year typically reported (NIH, 2011). Naphthalene is similar to benzene in mobility and also readily biodegradable.

Biodegradation is likely to reduce PAH concentrations over time and strong adsorption is likely to prevent leaching to groundwater in the future.

6.2.1.3 Secondary COPCs: Metals

Metals are found naturally in the environment at varying concentrations and may also be introduced to the environment via anthropogenic releases. A number of physical, chemical, and biological processes influence the concentrations of metals in an aqueous system. These processes include chemical speciation, hydrolysis, volatilization, sorption, bioaccumulation, and biodegradation. The mobility of each metal in soil and groundwater depends on a number of factors, including soil organic matter and geochemical conditions, such as pH and oxidation-reduction conditions. Each metal behaves differently in a particular environment due to its unique chemical nature. Evaluation of the mobility of metals is especially difficult because of their ability to form ions and interact with water, minerals, biota, and organic materials.

6.2.1.4 PCBs

PCBs, marketed under the name Aroclor until commercial production in the United States was stopped in 1977, are mixtures of different congeners of chlorinated biphenyl. The PCB compounds Aroclor 1248, 1254, and 1260 have been detected at the site inside certain former buildings. The relative importance of various environmental fate mechanisms generally depends on the degree of chlorination (NIH, 2011). In general, the persistence of PCBs increases with an increase in the degree of chlorination. Mono-, di-, and trichlorinated biphenyls (Aroclor 1221 and 1232) biodegrade relatively rapidly; tetrachlorinated biphenyls (Aroclors 1016, 1242, and 1248) biodegrade slowly; and higher-order chlorinated biphenyls (Aroclors 1254 and 1260) are largely resistant to biodegradation. Biodegradation of higher-order chlorinated congeners may occur very slowly due to natural environmental processes, but no other degradation mechanisms have been shown to be important in natural water and soil systems. If released to soil, PCBs adsorb strongly to soil particles, with the adsorption generally increasing with the degree of chlorination of the PCB congener. Strong adsorption to soil typically prevents leaching of PCBs to groundwater. PCBs have not been detected in groundwater at the site and historic PCBs identified in soil have been successfully remediated.

6.2.2 Site Geochemistry

Subsurface geochemistry strongly influences the fate and transport of organic and inorganic COPCs. Evaluation of geochemical parameters along with contaminant concentrations can help to explain the nature and extent of contamination at the site. Water quality parameters, including temperature, dissolved oxygen (DO), turbidity, oxidation-reduction potential (ORP), and specific conductivity were recorded during groundwater sampling during each sampling event (Table 6-1). In general, monitoring data collected from monitoring wells rather than borings, using consistent sampling techniques, are considered to provide the most reliable indication of these parameters.

pH is a measure of the hydrogen ion concentration in solution and is an indication of the balance between acids and bases in water. The pH of the groundwater at the site in March 2011, June 2013, and March 2015 sampling events ranged between 5.5 and 7.3, indicating relatively neutral groundwater.

Specific conductivity is often used as an approximation of the dissolved solids content and can help to verify that samples were obtained from the same groundwater system. In natural waters, dissolved solids vary from 55 to 75 percent of the specific conductivity (Hem, 1985). During the March 2011, June 2013, and March 2015 sampling events, specific conductivity ranged from 0.191 to 0.46 microsiemens per centimeter.

DO in groundwater can be an important factor controlling the mobility of many inorganic constituents and the biodegradation of xenobiotic organic constituents. Oxygen in groundwater typically reacts with any oxidizable material in its flow path; therefore, unless the groundwater is located near the point of recharge, DO concentrations are typically very low (Hem, 1985). Obtaining accurate DO field measurements is often highly problematic due to sensitive field equipment (Wiedemeier et al., 1999). During the March 2011, June 2013, and March 2015 sampling events, DO concentrations ranged from about 1 to 4 milligrams per liter (mg/L), but generally closer to 1 mg/L.

ORP is a measure of electron activity and indicates the relative tendency of a solution to accept or transfer electrons. As the reserve of electron acceptors is depleted by microbial activity, ORP decreases, indicating a reducing environment. Conversely, a high concentration of electron acceptors results in a high ORP, indicative of an oxidizing environment. Because oxygen has one of the highest energy potentials among electron acceptors, it is consumed first; therefore, ORP can also be indicative of an aerobic or anaerobic environment. ORP in natural groundwater environments typically ranges between -400 and 800 millivolts (mV). ORP greater than approximately 750 mV corresponds to oxidizing or aerobic environments, while below approximately -150 mV, the anaerobic processes of sulfate reduction and methanogenesis occur (Wiedemeier et al., 1999). Field instrumentation is not always sufficiently sensitive to accurately measure ORP in groundwater; therefore, field measurements of ORP should be supported by data for the concentrations of oxidized and reduced constituents. The ORP measured in monitoring wells on site in March 2011, June 2013, and March 2015 ranged from -159 mV to 166mV, but the ORP measured during the majority of monitoring events was below 0 mV, suggesting moderately reducing conditions in which nitrate, manganese, and iron reduction can occur. This finding is consistent with the low DO concentrations at the site.

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7.0 PRELIMINARY SCREENING LEVELS

This section outlines the approach used to develop the preliminary screening levels for the site. MTCA regulations require that remedial action alternatives achieve cleanup standards. MTCA regulations establish three primary components for cleanup standards:

- Cleanup levels for COCs,
- The point of compliance (POC) where these cleanup levels must be met, and
- Other regulatory requirements that apply.

MTCA regulations define three basic methods for determining cleanup levels for soil and groundwater:

- **Method A** – applies to "routine" sites or where few hazardous substances are involved. Method A cleanup levels have been established for unrestricted and industrial land uses.
- **Method B** – the "universal" method that can be applied to all media at all sites (unrestricted and industrial use). Two types of Method B cleanup levels can be used: standard (or default) cleanup levels based on standard assumptions, or modified cleanup levels that incorporate chemical-specific or site-specific information.
- **Method C** – a conditional cleanup level that can be used where more rigorous cleanup levels cannot be achieved. Similar to Method B, Method C comprises two types of cleanup levels: standard and modified. Use of Method C cleanup levels requires institutional controls to ensure future protection of human health and the environment and is generally applicable only to industrial sites.

For carcinogenic COCs, MTCA Method B and Method C cleanup levels are generally defined by the upper bound of the estimated lifetime cancer risk, which cannot exceed 1×10^{-6} and 1×10^{-5}, respectively, for each method, for individual carcinogens. Hazard indices for both Methods B and C cannot exceed 1.0.

Methods A, B, and C cleanup standards are required by the Revised Code of Washington 70.105D.030 (2)(d) to be *"at least as stringent as all applicable state and federal laws."* These requirements are similar to the applicable or relevant, and appropriate requirements approach of the federal superfund law, and are described in entirety in WAC 173-340-710.

Preliminary site-specific cleanup levels must be protective of the pathways established in the CSM, including the following media exposure pathways:

- Soil:
  - Industrial direct human exposure pathways (ingestion, inhalation, and dermal absorption),
  - Indoor vapor inhalation pathway, and
  - Groundwater pathway.
- Groundwater:
  - Direct human exposure pathways (ingestion and dermal absorption),
  - Groundwater-to-surface water pathway; and
  - Indoor vapor inhalation pathway.

Preliminary screening levels were developed for all compounds that were analyzed in the RI data set. To develop and evaluate a reasonable range of cleanup alternatives in a FS, a POC must be defined for contaminated sites. As defined in the MTCA regulations, the POC is the point or points at which cleanup levels must be attained. As stated previously, the POC, cleanup levels, and other applicable standards taken together define the cleanup standard. Cleanup has been completed for any site that attains the cleanup standard, as approved by Ecology. To develop and evaluate a reasonable range of cleanup alternatives in this RI, it was necessary to establish POCs for both soil and groundwater. A standard POC (as defined in MTCA) was assumed for the site in this RI.

7.1 SOIL PRELIMINARY SCREENING LEVELS

The site is located in an area zoned for industrial use and the anticipated future use of the site will be industrial. Therefore, MTCA Method C soil cleanup levels are appropriate for use at the site. MTCA Method C industrial soil cleanup levels are based on adult occupational exposures and assume that current and future land use will be restricted to industrial purposes.

Preliminary screening levels for soil were selected by choosing the minimum of the following MTCA cleanup levels:

- MTCA Method C Industrial Cleanup Levels based on direct contact/ingestion obtained from the Cleanup Levels and Risk Calculation (CLARC) Web site (Ecology, 2011),
- For those COPCs with no available Method C cleanup levels, MTCA Method A Soil Cleanup Levels for Industrial Land Use (MTCA Table 745-1), and

- Soil cleanup levels protective of groundwater cleanup levels (WAC 173-340-747[4]).

After selecting the minimum value from the levels described above, the preliminary screening levels were established for use in the RI by following the criteria listed below. For some COPCs, the preliminary screening levels were revised upward when compared to natural background levels and practical quantitation limits (PQLs) in accordance with the MTCA regulations (WAC 173-340-709 and WAC 173-340-705[6]). The modified Method C preliminary screening levels were established as follows:

- The risk-based soil cleanup level selected for each COPC was compared to the natural background concentration. If the risk-based cleanup level was less than the natural background concentration, the natural background concentration was selected for comparison to the PQL.
- If natural background concentrations were lower than the risk-based soil cleanup level, the risk-based soil cleanup level was selected for comparison to the PQL.
- If the selected natural background concentration or risk-based soil cleanup level was less than the PQL, the PQL was selected as the preliminary screening level.

Natural background levels for metals were defined by Ecology (1994) for the Puget Sound area. The Puget Sound natural background values were calculated as the 90th percentile value using Ecology's MTCA STAT program on a sample set of 45 samples. Screening levels that were below the defined Puget Sound natural background levels were adjusted up to the applicable natural background level in accordance with the limitations set forth in WAC 173-340-706(6).

Applicable PQLs were established for soil in the same manner as that described in Section 8.1 for groundwater. The soil preliminary screening levels for the RI are listed in Table 7-1. Table 7-3 shows the primary COPCs found in soil at the site, the soil preliminary screening levels associated with each COPC, and the maximum detection for each COPC in soil.

7.2 Groundwater Preliminary Screening Levels

Even though the site is industrial, the preliminary screening level for groundwater for each COPC is a MTCA Method B cleanup level, because current groundwater data show some COPCs in groundwater at the downgradient property boundary. Because groundwater travels off site, a Method B cleanup level was selected as the most appropriate for use in the RI. The preliminary screening levels were selected by choosing the following:

- MTCA Method A levels for COPCs that do not have a Method B level available, and

- Surface Water Applicable or Relevant and Appropriate Requirements:
  - Water Quality Standards for Surface Waters of the State of Washington (WAC 173-201A) – Acute and Chronic effects, Aquatic Life, Freshwater;
  - National Recommended Water Quality Criteria (Clean Water Act §304) – Freshwater, Acute and Chronic Effects, Aquatic Life and for the Protection of Human Health, Consumption of Water and Organisms and Consumption of Organisms Only ; and
  - National Toxics Rule (40 Code of Federal Regulations 131) – Freshwater, Acute and Chronic Effects, Aquatic Life, and Human Health, Consumption of Water and Organisms.
- MTCA Surface Water Table Values (from CLARC):
  - MTCA Method B Surface Water levels calculated using Ecology's CLARC tables if a federal or local surface water value is not found in the above references (Ecology, 20011).
- Values Protective of Indoor Air:
  - For the Shallow Groundwater Zone only, MTCA Method B groundwater to vapor cleanup levels, obtained from Table B-1 in Ecology's Draft Guidance for Evaluating Soil Vapor Intrusion in Washington State, which was updated in April 2015 (Ecology, 2015).

For some COPCs, the preliminary Method B cleanup levels were revised upward in accordance with the MTCA regulations (WAC 173-340-705[6]) so that the cleanup levels were not lower than the PQLs obtained by the project laboratory. The preliminary screening levels established by this process are modified MTCA Method B cleanup levels. In accordance with WAC 173-340-707, if the PQL for a COPC was higher than the preliminary groundwater cleanup level, the cleanup level was raised to the PQL level. The PQLs were obtained from the current project laboratory, OnSite of Redmond, Washington, which is certified by the state of Washington. The preliminary groundwater screening levels are summarized in Table 7-2. Preliminary screening levels were developed to be protective of surface water, human health and the environment via direct contact, and inhalation risks. The preliminary screening levels are not protective of drinking water because the groundwater at the site is not suitable or practicable as a potential source of drinking water. There are no water supply wells within 1 mile downgradient of the site (WAC 173-340-720[2]); therefore, cleanup levels for potable ingested use will not be considered.

Table 7-3 shows the primary COPCs found in groundwater at the site, the groundwater preliminary screening levels associated with each COPC, and the maximum detection for each COPC in groundwater.

8.0 ASSESSMENT OF 2015 INTERIM CLEANUP ACTIONS AND AREAS DESIGNATED FOR FURTHER CLEANUP UNDER MTCA REGULATIONS

This section summarizes the areas on site recommended for further cleanup based on the analytical results and findings described in this RI. The primary COPCs found at the site that expected to drive additional cleanup actions are TPH-G (including mineral spirits/Stoddard solvent) and BTEX. Several cPAHs, metals, and VOCs other than BTEX also exceed the preliminary screening levels in several areas, but are of lesser concern in comparison to the primary COPCs, and are generally co-located with those primary COPCs.

Several interim actions have already been implemented to address contamination (Section 4). The interim actions completed in 2015 resulted in removal of contaminated soils identified during the 2009 investigations, resulting in a significant reduction in COPC concentrations. Tables 5-2 through 5-12 compare the soil and groundwater results to the preliminary screening levels for the site. These tables also compare the concentrations of COPCs identified in 2009 to the most recent data. Areas of soil concentrations that continue to exceed the preliminary screening levels are shown on Figures 5-1, 5-2, and 5-7 through 5-9, and locations of groundwater concentrations exceeding preliminary screening levels are shown on Figures 5-10 through 5-14.

Following the completion of interim actions in 2015, record soil samples were collected from each excavation to document contaminant concentrations left in place (if any). Following excavation, the areas with TPH contamination remaining above preliminary screening levels were treated with in-situ chemical oxidation and oxygen release compounds prior to backfill. Excavation and treatment details are summarized in Tables 8-1 and 8-2.

This section discusses the areas of COPC contamination remaining on the Kelly-Moore site following the 2015 interim actions.

8.1 RESULTS OF 2015 INTERIM ACTIONS

Soil Removal at Boring KM-19: December 2009 historical soil samples from boring KM-19 showed concentrations of TPH-G above the preliminary screening level in both the 3.5–4.0 foot and 6.0–6.5 foot depth intervals, at concentrations of 430 mg/kg and 8,200 mg/kg, respectively (Table 5-3). On February 26, 2015, soil was excavated from a 10-foot by 10-foot area centered on boring KM-19, to a depth of approximately 7 feet bgs. Groundwater was observed at approximately 6 feet bgs. Approximately 26 cubic yards of soil were removed from this excavation and the bottom of the excavation was mixed with oxidant to a depth of 1 yard below the bottom of the excavation prior to backfill.

The record soil sample results indicate the majority of TPH contamination was successfully removed, as only one sample exceeded the proposed TPH-G preliminary screening level. That sample was bottom sample KM-19-bot-7.0, which had a TPH-G concentration of 420 mg/kg (Table 5-3). All four sidewall samples were below preliminary screening levels.

Soil Removal at Boring KM-30: March 2011 historical samples from boring KM-30 showed concentrations of TPH-G above the preliminary screening level in the 2.0–2.5 foot and 4.75–5.25 foot depth intervals, at concentrations of 400 mg/kg and 6,000 mg/kg, respectively (Table 5-3). Benzo[a]pyrene was also detected above preliminary screening levels in the same depth intervals, at concentrations of 0.37 mg/kg, and 1.4 mg/kg, respectively (Table 5-5). On February 26, 2015, soil was removed from a 10-foot by 10-foot area centered on boring KM-30, extending to a depth of 5.5 feet. Approximately 20.4 cubic yards of soil were removed from this excavation and the bottom of the excavation was mixed with oxidant to a depth of 1 yard below the bottom of the excavation prior to backfill. Soils from this excavation contained abundant fill debris, including what appeared to be metal, slag, coal, bricks, rocks, and other debris.

Record samples were analyzed for TPH-G, BTEX, and cPAHs. Sample results indicate significant reductions in TPH-G were achieved; however, all samples except for the north sidewall (KM-30-NW-4.0) still exceed proposed TPH-G preliminary screening levels. The highest TPH-G concentration was detected in the east sidewall sample, KM-30-EW-4.0, at a concentration of 3,500 mg/kg (Table 5-3). Benzene and several SVOCs, including benzo[a]pyrene, were also detected above preliminary screening levels in the same samples as TPH-G exceedances, but were not detected above their respective laboratory reporting limits in sample KM-30-NW-4.0, suggesting that remaining contamination in this area does not extend further north.

Soil Removal at Boring KM-32: March 2011 Historical soil samples from boring KM-32 showed concentrations of benzo[a]pyrene that exceeded the preliminary screening level. The highest concentration of benzo[a]pyrene measured at the site was detected at a concentration of 24 mg/kg from the 2.5–3.0 foot depth interval at KM-32. VOCs were not detected above the laboratory reporting limits. On February 26, 2015, soil was excavated from a 10-foot by 10-foot area centered on boring KM-32. The excavation extended to a depth of approximately 2.5 feet bgs. Approximately 9.3 cubic yards of soil were removed from this excavation.

Record samples were analyzed for cPAHs. Results indicate that concentrations were greatly reduced; however, all samples still exceed the preliminary screening level of 0.23 mg/kg. Concentrations ranged from 1.7 mg/kg in sample KM-32-NW-1.5 to 5.6 mg/kg in sample KM-32-WW-1.5 (Table 5-5).

Soil Removal at Borings KM-39 and KM-41: Both the KM-39 and KM-41 excavation areas occurred within the former Building 8 footprint, which was excavated as part of the separate PCB cleanup action described in Section 4. The results documenting the PCB cleanup action described in Section 4 are located on Table 5-6. Both excavations were centered on the former in-ground floor scale pits in former Building 8. Although each excavation was conducted to remove the former scale pits and potentially accompanying PCBs, record soil samples were also collected for other COPCs that exceeded preliminary screening levels in the area of former Building 8.

March 2011 historical samples from boring KM-39 showed concentrations of TPH-G, BTEX, and several SVOCs including benzo[a]pyrene and naphthalene above the preliminary screening levels. On March 5, 2015, the scale pit structure was removed, along with adjacent soils in an area 10 feet x 10 feet, extending to a depth of 4.5 feet bgs. Approximately 16.7 cubic yards of soil were removed, including the concrete scale pit structure, and the bottom of the excavation was mixed with oxidant to a depth of 1 yard below the bottom of the excavation prior to backfill. Record soil samples showed concentrations of TPH-G exceeded the preliminary screening level in all locations except the north sidewall. The highest TPH-G concentration was detected in the west sidewall sample KM-39-WW-3.5, at a concentration of 3,100 mg/kg (Table 5-3). Benzene was also detected in all locations except the north sidewall, at concentrations above the preliminary screening level. Xylenes only exceeded preliminary screening levels in one sample, KM-39-EW-3.5. Benzo[a]pyrene was detected in east sidewall sample KM-39-EW-3.5 above the preliminary screening level at a concentration of 4.5 mg/kg. Sample KM-39-EW-3.5 also had a cPAH concentration of 5.9 mg/kg, which is above the preliminary screening level.

March 2011 historical samples collected from boring KM-41 showed concentrations of TPH-G, xylenes, PCBs, benzo[a]anthracene, and naphthalene above the preliminary screening levels. On March 5, 2015, the floor scale pit was removed, along with adjacent soil. The total excavation extent measured approximately 15 feet wide (east – west) by 18 feet long (north – south), and extending to a depth of approximately 6 feet bgs from the elevation of the underlying concrete slab. The bottom of the excavation was mixed with oxidant to a depth of 1 yard below the bottom of the excavation prior to backfill. Record samples showed TPH-G exceeded the preliminary screening level in bottom sample KM-41-B1-6.0 and sidewall sample KM-41-SW-4.0, at concentrations of 380 mg/kg and 3,600 mg/kg, respectively (Table 5-3). SVOCs, including benzo[a]anthracene and benzo[a]pyrene, were detected in the record samples at KM-41 above the preliminary screening levels. West wall sample KM-41-WW-4.0 had a benzo[a]pyrene concentration of 0.27 mg/kg and a cPAHs concentration of 0.35 mg/kg (Table 5-5), which are both above their preliminary screening levels. Benzene also exceeded the preliminary screening level in sample KM-41-SW-4.0 at a concentration of 0.021 mg/kg (Table 5-4). All other COPCs were below their respective preliminary screening levels.

Piping Trench Excavation and UST Removal: The piping trench excavation was located between former Buildings 7 and 8, in an area where underground piping was left in place following the decommissioning and removal of nine USTs and associated piping in 2009. Although some piping was removed at that time, some had to be left in place because it was adjacent to, and extended beneath, building foundations. When the new property owner elected to demolish the buildings on site, it presented an opportunity to remove the product piping left in place in 2009, as well as perform additional soil excavation to remove TPH-contaminated soil documented during the 2009 excavation that remained a potential source to groundwater contamination at the site.

The piping trench excavation was conducted in three phases. The first phase was the excavation of two intersecting trenches to remove all remaining product piping that was not removed during the 2009 excavation, along with underlying soil potentially impacted by COPCs. In total, nine steel product pipes were removed from this trench on February 26, 2015. The trenches were approximately 6 feet wide by approximately 120 feet in total length (Figure 2-4). The depth varied between 4.5 feet at the south end, and 5 feet at the north end. Groundwater was observed in the excavation at approximately 5 feet bgs. Approximately 135 cubic yards of soil were removed during the first phase.

The north end of the excavation was expanded to the east in a second phase on March 5, 2015, when a previously unknown UST was discovered. The UST was an approximately 500-gallon capacity tank in poor condition with pinholes and limited fluid inside that appeared to be rusty water. The UST was properly decommissioned and removed (Amec Foster Wheeler, 2015c), and over-excavation of the area resumed again on March 13, 2015. The second phase of excavation extended the northern 60 feet of the previous trench to the east by 8 feet, at a depth of ranging from 5.0 to 5.5 feet, which was just below the observed water table. Approximately 100 cubic yards of material was removed during this phase of excavation. One of the previously collected sidewall sample locations, B7-piping-S1-4.0, was over-excavated with the expanded excavation, and a new sidewall sample was collected 8-feet to the east, and identified as B7-piping-S1B-4.0. Soil samples collected from the excavated area around the former UST showed TPH-G, TPH-D, benzene, naphthalene, and benzo[a]pyrene above the respective preliminary screening levels. It is unknown whether the source of the contamination was from the UST, from the former underground piping in the area, or some other unknown source.

The third phase of piping trench excavation expanded the southern 25 feet of the piping trench to the east by 8 feet, and extended the depth to the water table at approximately 5 feet bgs. The additional excavation removed 50 cubic yards of material on March 25, 2015. The entire piping trench excavation was treated with oxidant, mixed to a depth of 1 yard below the bottom of the excavation prior to backfill.

Additional of Subsurface Piping and Second Unknown UST Removal: Because both hot spot soil excavation and historical results showed that contaminated soil remained beneath the area where the former buildings were demolished in 2015 and because the new property owner was preparing the site for construction of a new building that would occupy much of the north end of the site, Kelly-Moore received permission from the new property owner to complete one additional subsurface task prior to building construction. The task was to place subsurface horizontal wells in soils above the groundwater table that could be used to conduct soil vapor extraction (SVE) or possibly chemical oxidation and thereby allow for potential treatment of the remaining VOCs (including TPH-G) in the subsurface after the new building is completed at the site. Piping was also placed in the western trench (Figure 2-4) to allow connection points for air sparging if it is deemed necessary to further reduce groundwater contaminant concentrations in the event that oxidant treatment used in the 2015 hot spot soil excavations does not sufficiently treat COPCs to allow for groundwater concentrations to attenuate to concentrations below preliminary screening levels.

Two trenches were dug for installation of the remediation piping (Figure 2-4): (i) an eastern trench under the footprint of the new building, and (ii) a western trench under the footprint of the new parking lot. The installation was designed to treat an approximately 50-foot-radius area around each SVE well, as shown in Figure 2-4. This layout was designed to allow additional remediation, as necessary, of all areas of residual TPH-G concentrations above preliminary screening levels.

The eastern trench included 8 individual 4-inch schedule 40 polyvinyl chloride (PVC) pipes ending with 10 feet of 0.020-inch slotted screen. Screens were placed at 7 to 7.5 feet bgs (corresponding to roughly 14 to 15 feet in elevation) and the piping was sloped back to the screens. Alignment of the eastern trench was situated to avoid building structural components as specified by the new property owner's building geotechnical requirements. Piping was day-lighted against the north side of the existing building at the south side of the site and was temporarily capped. Backfill was performed in 12-inch lifts of soil, with compaction by an excavator-mounted vibrating compaction unit. Geotech Consultants, Inc. of Bellevue, Washington was on site for geotechnical review during the installation of the eastern trench and requested a minimum compaction of 90 percent in order to meet geotechnical requirements. Backfill was tested with a nuke density gauge on June 17, 2015, and results indicated that compaction was 94 percent, exceeding the minimum requirements. Work was completed for the eastern trench prior to the installation of a vapor barrier and pouring of the foundations from June 15 to June 25, 2015.

A second, previously unknown, UST was discovered during the placement of the eastern piping. The UST was discovered on June 17, 2015, and was a riveted single-walled steel tank with a capacity of approximately 500 gallons. Because the UST was riveted and riveted tanks were banned in 1943, the

tank is assumed to have been placed prior to 1943. The tank was approximately half full of fluid, which was visible through a hole in the top of the tank. The fluid in the tank appeared to be groundwater, and rusted pin holes were observed in the lower portion of the tank walls. Surrounding soils did not show signs of obvious contamination resulting from the UST or any difference from soils observed away from the UST, so over-excavation was not performed. However, SVE wells were installed to allow for treatment of soils in the vicinity of the UST, as recent and historical soil samples had already confirmed residual TPH contamination throughout the area. The UST was properly decommissioned and removed (Amec Foster Wheeler, 2015c).

The western trench included four individual 4-inch schedule 40 PVC pipes with 10 feet of 0.020-inch slotted screen at the end (for SVE) and four individual 1-inch schedule 80 PVC pipes (for connection to air sparge wells). Screens were placed at 4.0 to 4.5 feet bgs (corresponding to roughly 14 to 15 feet in elevation), with the overall conveyance piping placed at 6.0 to 6.5 feet bgs in order to stay under a planned sewer pipe installation. Piping was capped and buried, and sloped to drain to the south. Bedding and backfill was performed using the same methods as for the eastern trench. Tracing wire was placed 1 foot above the piping and metal markers were placed at the end of the air sparge lines which were brought up to 2 feet bgs and placed approximately 10 feet back from the well screens. Work was completed on the western trench prior to installation of the site utilities from October 15 to October 21, 2015. Record sampling was conducted along the western trench and showed TPH-G and benzene above the respective preliminary screening levels in several locations.

An additional approximately 241 tons or approximately 180 cubic yards of contaminated soil were excavated during trenching work completed during the installation of the remediation piping and the underground utilities for the new building and disposed of off site.

Installation of Vapor Barriers: The large warehouse building at the south end of the site was constructed in 1997. According to Kelly-Moore, a visqueen vapor barrier was installed beneath the full footprint of the building. Construction as-built records were not then available, although Amec Foster Wheeler did review photographs showing placement of the vapor barrier during construction of the warehouse.

In July 2015, a vapor barrier was also installed by the new property owner, prior to the pouring of the foundation and the concrete slab, under the new building at the north end of the site. The vapor barrier was 15-millimeter Yellow Guard Vapor Barrier. All seams were taped. The barrier was installed on top of the clean sandy imported fill and ran to the inside edge of the foundation trenches. Amec Foster Wheeler took pictures on July 10, 2015, to document the installation. Rebar for reinforcement of the concrete slab was placed on top of the vapor barrier prior to the pouring of the concrete.

The extent of the vapor barriers is shown on Figure 2-4.

8.2 SUMMARY OF EXTENT OF REMAINING COPCS

This section provides a summary of COPCs remaining on site, the concentrations of those COPCs, and the areas affected.

8.2.1 TPH and BTEX

Most soil samples containing concentrations of TPH-G above the preliminary screening levels were collected from the central portion of the site (Figures 5-1 through 5-4, and 5-6) in the vicinity of the former USTs and associated piping and in samples collected beneath former Buildings 7, 8, and 10. In addition, two samples at the northern portion of the site (KM-19 and KM-30) contained TPH-G in soil at concentrations above the preliminary screening level (Figures 5-1 through 5-4, and 5-6). As shown in Table 5-3, the highest concentrations of TPH-G in soil (greater than 10,000 mg/kg) were found in shallow samples in the range of 1 to 3 feet bgs. High concentrations were sometimes detected in the deeper sampling intervals (4 to 7 feet bgs); however, based on recent water level measurements at the site, it is likely that these samples represent soil samples collected in soils that are below the water table during at least part of the year and may be more indicative of groundwater impact than a source in soil. The water table was observed to be nearly 10 feet bgs during the 2009 excavation. Subsequent water level measurements at the monitoring wells and during the most recent direct-push sampling showed a much higher water table, closer to 5 feet bgs.

TPH-G concentrations in groundwater (Table 5-9) similarly were highest in the central portion of the site, with the highest concentrations (greater than 10,000 µg/L) detected downgradient (west) of the highest soil concentrations (Figures 5-11 and 5-12).

Elevated TPH-G concentrations were also detected at KM-19 and KM-30 in the northern portion of the site. However, these concentrations were not as high as the concentrations in the central portion of the site and the impacted areas were small in lateral extent. Nearby data indicate that these are isolated hot spots (Figures 5-2, 5-11 and 5-13). Unlike samples from the area of the UST excavation, samples from the borings in the northern tip of the site were found to have a chromatogram indicative of TPH-G as opposed to mineral spirits/Stoddard solvent, which is more prevalent in the former UST area.

TPH was not detected at concentrations above the soil or groundwater preliminary screening levels in the southern portion of the site (Tables 5-3 and 5-9).

Similar to TPH, BTEX is found at concentrations exceeding the preliminary screening levels in samples collected from the central portion of the site (Figure 5-7 and Tables 5-4 and 5-10) in the vicinity of the former USTs and associated piping and in samples collected beneath former Buildings 7, 8, and 10. BTEX was also detected in confirmation samples taken during the excavation of the KM-30 hotspot in the northern portion of the site (Figure 5-7 and Table 5-4).

BTEX did not exceed the preliminary screening levels for soil at any locations in the southern portion of the site, and BTEX did not exceed the preliminary screening levels for groundwater at any locations in the northern or southern portions of the site (Tables 5-4 and 5-10).

8.2.2 VOCs

Vinyl chloride was detected in groundwater at concentrations exceeding the preliminary screening level in the northern portion of the site, at location KM-16 (3.8 µg/L). Trichloroethene was detected in groundwater in the northern portion of the site at concentrations exceeding the preliminary screening levels at KM-16 (0.6 µg/L), KM-17 (9 µg/L), KM-20 (1.1 µg/L), and KM-31 (0.83 µg/L) (Table 5-10).

VOCs were not detected at concentrations above the preliminary screening levels in the other borings in the vicinity or in nearby monitoring wells KMW-1 and KMW-2, indicating that the VOC impact (excluding BTEX) is limited to the northernmost part of the site and could be associated with off-site sources.

8.2.3 PCBs

PCBs were detected at concentrations above the preliminary screening levels only in soil from the scale pit areas located inside former Building 8 (Table 5-6). Subsequent cleanup action successfully removed PCBs, and confirmation sampling has confirmed that any remaining PCBs are present at concentrations below the 1 mg/kg high occupancy cleanup level for unrestricted use under TSCA, as well as MTCA (Figure 5-9, Table 5-6).

8.2.4 SVOCs

Several SVOCs were found to exceed the preliminary screening levels in soil, such as total cPAHs, total naphthalenes, chrysene, indeno[1,2,3-cd]pyrene, and the individual cPAHs benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, and benzo[k]fluoranthene (Table 5-5). SVOCs that were found to exceed the preliminary screening levels in groundwater included bis(2-ethylhexyl)phthalate, fluoranthene, N-nitrosodiphenylamine, total cPAHs, total naphthalenes, chrysene, indeno[1,2,3-cd]pyrene, and the individual PAHs benzo[a]anthracene, benzo(a)pyrene, benzo[b]fluoranthene, and benzo[k]fluoranthene. As shown in Figure 5-8, SVOC concentrations exceeded the preliminary screening levels in samples from many site locations for soil and in a few locations for groundwater. These detections were likely a result of historic area-wide fill.

In the northern portion of the site, concentrations of cPAHs exceeded the preliminary screening levels in several soil samples (Figure 5-8). However, groundwater samples did not show elevated cPAHs in this area except at KM-32, where there also was a particularly high concentrations of cPAHs detected in soil.

In the central portion of the site, soil concentrations exceeded the groundwater-protection-based screening levels for cPAHs at a number of locations. Similar to the northern portion of the site, cPAHs were rarely detected in groundwater. The groundwater results for permanent monitoring wells KMW-3 and KMW-4 were non-detect. The groundwater concentrations from direct-push borings were above the preliminary screening levels at multiple locations (Table 5-11). The field forms indicate that groundwater samples from these locations were silty with turbidities as high as 150 Nephelometric turbidity units, indicating that the groundwater results for cPAHs could be due to soil particulates present in the temporary boring samples.

No cPAHs were detected in soil samples at concentrations above preliminary screening levels in the southern portion of the site (KM-1, KM-2, and KM-27 through KM-29). There was a minor detection of cPAHs in groundwater at KM-29 (cPAH toxicity equivalency factor of 0.02 µg/L).

Naphthalene was detected in groundwater throughout the site at a concentration above the preliminary screening level at KM-03, KM-18, KM-22, KM-41, and Contain-GW (Table 5-10 and 5-11). Naphthalene was detected in soil at concentrations above the preliminary screening level in numerous locations (Tables 5-4 and 5-5). Naphthalene can be associated with mineral spirits/Stoddard solvent, which are the likely source of exceedances in the area near former USTs and piping.

8.2.5 Metals

As shown in Figure 5-5, the locations of samples in which the concentrations of metals exceeded the preliminary screening levels are sporadic, likely resulting from historic area-wide fill issues or associated with naturally-occurring background levels of metals present in the Puget Sound region.

In the northern portion of the site, arsenic exceeded the preliminary screening levels in two soil samples (Table 5-2), but the groundwater samples did not show elevated concentration of arsenic (Table 5-7).

In the central portion of the site, arsenic was not detected in soil above preliminary screening levels (Figure 5-1). However, arsenic concentration exceeded the preliminary screening levels in groundwater at several locations (Figure 5-10).

In the central portion of the site, cadmium concentrations at several locations exceeded the soil preliminary screening levels based on soil concentrations protective of groundwater. However, cadmium was not detected in groundwater anywhere on the site, so using the groundwater protection screening level is not warranted. No action is warranted based on cadmium concentrations.

In the central portion of the site, copper was detected at concentrations above the preliminary screening level (36 mg/kg) at only three soil locations: test pit TP-4 (110 mg/kg at 1 foot bgs and less than the preliminary screening level at 8 feet bgs), Containment-N-Wall (39 mg/kg at 9.5 feet bgs) and KM-22 (86 mg/kg at 6.5 feet bgs and less than the preliminary screening level at 12.5 feet bgs). Copper was detected above the preliminary screening level in one soil sample location in the southern portion of the site. Copper was not detected in groundwater at concentrations above the preliminary screening level at any groundwater sample location.

Lead was detected at concentrations above the soil preliminary screening level (220 mg/kg) in two locations: KM-10 (700 mg/kg) and KM-15 (410 mg/kg). Lead was detected above the groundwater preliminary screening level (1.1 µg/L) mainly in the central portion of the site (Table 5-7 and Figure 5-10).

At this point, further remedial action for metals in groundwater is not warranted in the northern portion of the site because (1) the data show an irregular pattern; (2) many of the results were total (not dissolved) metals; and (3) the samples were collected from direct-push temporary sampling points and are likely to be indicative of metals adsorbing to soil particles collected with the groundwater samples.

Two borings in the southern portion of the site showed concentrations of metals slightly exceeding preliminary screening levels for groundwater. Lead at KM-1 (22 µg/L) slightly exceeded the preliminary screening level of 1.1 µg/L, and arsenic at KM-29 (8.6 µg/L) slightly exceeded the preliminary screening level of 3.3 µg/L. No borings downgradient of these two temporary borings contain concentrations of metals above preliminary screening levels. Similar to the central portion of the site, there was an irregular pattern of exceedances, a lack of detections of an exceedance downgradient, and samples were collected by direct push temporary sampling points rather than from monitoring wells.

8.3 SUMMARY OF AREAS ABOVE MTCA CLEANUP LEVELS

The additional investigation data and interim actions performed in 2015 have substantially reduced areas at the site with elevated levels of COPCs as compared to the site data summarized in the 2011

RI/FS (Amec Geomatrix 2011). In order to help clarify the changes, Amec Foster Wheeler is presenting the areas that were assumed to require cleanup prior to the information learned in 2015.

8.3.1 Areas Above MTCA Cleanup Levels Prior to 2015 Interim Actions

Prior to implementation of the 2015 interim cleanup actions, the 2011 RI/FS recommended cleanup in the following areas: Former UST Source Area (Central Area), the Building 8 scale pits, and the northern portion of the site. The 2011 RI/FS identified no actionable areas in the southern portion of the site.

The Former UST Source Area COPCs were TPH-G, and BTEX to a lesser extent, in both soil and groundwater; Mineral spirits/Stoddard solvent were the likely source products identified in the 2011 RI/FS. These COPCs were found in the central area of the site and it was assumed LNAPL would be present in the vicinity of the 2009 UST excavations and UST piping.

The Building 8 Scale Pits were identified as a concern primarily for PCBs in soil, with no detections in groundwater.

The northern portion of the site identified TPH-G, cPAHs, and low levels of vinyl chloride in two localized hot spots.

Elevated TPH-G concentrations were also present in soil and groundwater at two isolated spots in the north end (KM-16/19 and KM-30), although the concentrations were not as high as the concentrations in the central portion of the site. Nearby data indicated that these were limited in extent.

The highest concentrations of cPAHs that exceeded the preliminary screening levels were located at KM-32. These particularly high concentrations of cPAHs were detected in soil. Detections of cPAHs also occurred in groundwater samples at this location. Nearby samples all showed much lower concentrations, indicating that this was a localized hot spot. Several other locations detected cPAHs above the preliminary screening levels, but at much lower concentrations.

In the northern portion of the site, vinyl chloride exceeding the preliminary screening level for groundwater was detected at KM-16 (3.8 µg/L), and trichloroethene exceeding the preliminary screening levels was detected at KM-16 (0.6 µg/L), KM-17 (9 µg/L), KM-20 (1.1 µg/L) and KM-31 (0.83 µg/L). VOCs were not detected at concentrations above the preliminary screening levels in the other borings in the vicinity or in nearby monitoring wells KMW-1 and KMW-2, indicating that the VOC impact is limited to the northernmost part of the site and is observed in groundwater only, not soil.

8.3.2 Post 2015 Interim Actions

The interim cleanup action in 2015 included excavations targeting the removal of high concentrations of remaining TPH-G and BTEX sources in the vicinity of the 2009 UST excavations, PCBs from the Building 8 Scale Pit area, and the localized hot spots for cPAHs, vinyl chloride, and TPH-G in the northern area of the site. In addition, chemical oxidation (Regenox) was added to the majority of the excavations, as summarized in Section 8.1, to treat remaining source materials below the water table.

Consequently, the remaining soil and groundwater impacts are primarily TPH-G, and to a lesser extent BTEX and naphthalene. Groundwater is most affected downgradient (west) of the highest soil concentrations, near the property line. Based on chromatograms and the former use of the site, soil contamination and related groundwater impacts in the central portion of the site are likely to have resulted from mineral spirits/Stoddard solvent and TPH-G. Aboveground and underground utilities prevented further evaluation of groundwater immediately downgradient of the site (on Airport Way South).

The majority of soils with high concentrations of TPH have been removed by interim actions and/or treated by chemical oxidation. As a result, TPH concentrations in groundwater have decreased significantly since 2011. However, groundwater flow combined with seasonal fluctuations in groundwater elevation have spread the remaining TPH-G across the center of the site throughout the smear zone (roughly 5 to 10 feet bgs), from the former UST locations to the western edge of the property near KMW-04. In addition, no LNAPL was found during 2015 excavations or additional push probe sampling.

9.0 RECOMMENDATIONS TO ADDRESS DATA GAPS

Amec Foster Wheeler recommends that the following data gaps be addressed during or prior to FS cleanup planning:

- On-site groundwater monitoring, and
- Off-site sampling for both soil and downgradient groundwater to the immediate west/southwest of the site.

A wider groundwater monitoring network was informally discussed with Ecology in 2013 and Kelly-Moore submitted a plan (AMEC, 2013c) describing data to be collected to further evaluate natural attenuation at the site. Ecology commented on that plan in 2014 (Ecology, 2014) and specified additional data that should be evaluated in order to characterize and cleanup the site. Additional groundwater sampling by push probe was performed in 2015 prior to the construction of the new building on the northern portion of the site. This sampling provided important data on the current concentration and extent of COPCs in groundwater on site. Most of the permanent groundwater monitoring wells at the site, except for KMW-04, were abandoned due to construction activities in 2015. Kelly-Moore and Amec Foster Wheeler will use the updated data from sampling completed in 2015 to provide a new plan for installation of permanent groundwater monitoring wells and a groundwater monitoring program to continue monitoring concentrations of COPCs in groundwater, as well as to continue assessing the effects of the interim cleanup actions.

Off-site sampling of soils to the west of the site (along Airport Way South) and downgradient groundwater to the west and southwest of KMW-04 is recommended to further evaluate the extent of potential off-site contamination and to assess whether there are possible sources of COPCs in the right of way or from other sources further off site. However, this is complicated due to the presence of multiple utilities along Airport Way South (on the west side of the site) and the heavily trafficked intersection of Airport Way South and South Lucile St. Kelly-Moore and Amec Foster Wheeler will work with the City of Seattle and Ecology to devise an off-site investigation work plan.

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Ecology, 2015, Table B-1, Appendix B, Guidance for Evaluating Soil Vapor Intrusion in Washington State. Located at: http://www.ecy.wa.gov/programs/tcp/policies/VaporIntrusion/vig.html.

Wiedemeier, T.H., C.J. Newell, H.S. Rifai and J.T. Wilson, 1999, *Natural Attenuation of Fuels and Chlorinated Solvents in the Subsurface*, John Wiley and Sons, Inc., New York, New York.

TABLES

TABLE 3-1

CONSTRUCTION DETAILS FOR GROUNDWATER MONITORING WELLS
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Well Identification	Drilling Method	Installation Date	Total Borehole Depth (feet bgs)	Total Well Depth (feet bgs)	Diameter (inches)	Material	Screen Slot Size	Screen Interval (feet bgs)	Filter Pack Sand Type	Filter Pack Interval (feet bgs)	Seal Interval (feet bgs)	Surface Seal	Date Abandoned[1,2]
KMW-1	HSA	3/23/2011	14	14	0.75	Sch. 40 PVC	0.01	4 - 14	2/12 Silica	3 - 14	2 - 3	Flush Mount	2/4/2015
KMW-2	HSA	3/18/2011	14.5	14.5	2	Sch. 40 PVC	0.01	4.25 - 14.25	2/12 Silica	3 - 14.5	2 - 3	Flush Mount	2/4/2015
KMW-3	HSA	3/18/2011	13.5	13.5	2	Sch. 40 PVC	0.01	3.25 - 13.25	2/12 Silica	2.5 - 13.5	1.5 - 2.5	Flush Mount	6/3/2015
KMW-4	HSA	3/17/2011	13.5	13.5	2	Sch. 40 PVC	0.01	3 - 13	2/12 Silica	2.5 - 13.5	1.5 - 2.5	Flush Mount	No
KMW-5	HSA	3/17/2011	13.5	13.5	2	Sch. 40 PVC	0.01	3.25 - 13.25	2/12 Silica	2.5 - 13.5	1.5 - 2.5	Flush Mount	6/3/2015

Notes
1. KMW-1 and KMW-2 were decommissioned on February 4, 2015, by backfilling with bentonite chips and concrete surface seal.
2. KMW-3 and KMW-5 appear to have been destroyed during demolition and new building construction in 2015.

Abbreviations
bgs = below ground surface
HSA = hollow-stem auger
PVC = polyvinyl chloride
Sch. = schedule

TABLE 3-2

MONITORING WELL SURVEY DATA[1]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Well Name	WCS North Zone NAD 83(91)[2]		Ground Surface Elevation	Top of Casing Elevation
	Northing	Easting		
KMW-01	205697.7	1272963.2	19.70	19.37
KMW-02	205801.8	1272957.4	20.12	19.79
KMW-03	205535.1	1273154.5	18.92	18.64
KMW-04	205423.6	1273115.1	18.99	18.64
KMW-05	205516.0	1273217.0	19.19	18.88

Notes

1. Survey completed on May 12, 2011 by Duane Hartman and Associates.
2. Coordinate System and Zone: Washington State Plane, North Zone Coordinates.
   Horizontal Datum: NAD 83(91), North Zone, US FEET.
   Vertical Datum: NAVD88, US FEET.

Abbreviations

NAD = North American Datum
NAVD88 = North American Vertical Datum of 1988
WCS = Washington Coordinate System

TABLE 3-3

GROUNDWATER ELEVATIONS

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Well ID	TOC Elevation (feet)[1]	Date	Depth to Water (feet below TOC)	Groundwater Elevation (feet)[1]
KMW-01	19.37	3/28/2011	5.03	14.34
		6/7/2013	6.56	12.81
KMW-02	19.79	3/28/2011	5.33	14.46
		6/7/2013	7.00	12.79
KMW-03	18.64	3/28/2011	4.21	14.43
		4/4/2013	5.2	13.44
		6/7/2013	5.75	12.89
		3/10/2015	5.55	13.09
KMW-04	18.64	3/28/2011	4.52	14.12
		6/7/2013	5.90	12.74
		3/10/2015	5.57	13.07
KMW-05	18.88	3/28/2011	4.42	14.46
		6/7/2013	5.93	12.95

Notes
1. Elevations in feet above mean sea level.

Abbreviations
TOC = top of casing

TABLE 4-1

SUMMARY OF FORMER INVESTIGATIONS
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Year	Report Title	Consultant (Reference)	Summary	Chemical Constituents Analyzed
1994	Phase I Environmental Site Assessment	SEACOR (1994)	Phase I ESA conducted in 1994.	NA
1997	Phase I Environmental Site Assessment Update	SEACOR (1997a)	Phase I ESA conducted in 1997.	NA
1997	Phase I Environmental Site Assessment, Former Preservative Paints Office Building Parcel	SEACOR (1997b)	Phase I ESA conducted in 1997 for 5502 Airport Way South.	NA
1997	Underground Storage Tank Closure Site Assessment	SEACOR (1998)	UST tank removal and installation. Results described in the report, as well as associated soil sampling conducted during the project.	TPH-G, PCBs, VOCs, Metals
2008–2009	Polychlorinated Biphenyl (PCB) Investigation and Cleanup Report	AMEC Geomatrix (2010d)	Evaluation and remediation of PCBs at the site, including an investigation of PCB concentrations in buildings, concrete flooring, and soil; scarification of concrete flooring in Buildings 6 and 7; and temporary institutional controls to seal off Building 8 and prevent human exposure to PCBs.	PCBs
2009	Limited Phase II Environmental Site Assessment Report	AMEC Geomatrix (2009a)	A limited Phase II conducted in 2009 to provide a preliminary evaluation of soil and groundwater conditions at the site and identify the type and magnitude of potential environmental releases, in light of historical property uses and limited prior soil sampling.	TPH as Lube Oil, TPH-G, VOCs, SVOCs, Total Metals, PCBs
2009	2009 Phase II Investigation Results Summary	AMEC Geomatrix (2009c)	December 2009 additional direct-push sampling to further investigate the extent of selected constituents detected in groundwater at the north end of the property in Building 3.	VOCs, SVOCs, Metals, PCBs
2009	Underground Storage Tank Decommissioning Report	AMEC Geomatrix (2010c)	October 2009 decommissioning and removal of nine USTs and appurtenant piping, and removal of other historical piping associated with former USTs at the site. The report describes the results of the project, as well as associated soil and groundwater sampling conducted during the project.	TPH, SVOCs, PCBs, VOCs, Metals
2010	Supplemental Phase II Investigation Results	AMEC Geomatrix (2010a)	A supplemental Phase II investigation at the site in August 2010, consisting of soil and groundwater sampling to evaluate conditions underneath the southern warehouse building.	VOCs, SVOCs, Metals, PCBs
2010	Addendum to Polychlorinated Biphenyl (PCB) Investigation and Cleanup Report	AMEC Geomatrix (2010e)	Evaluation and remediation of the additional cleanup and floor sampling in Building 6 conducted in March 2010.	PCBs
2010	Air Sampling - South Warehouse Report	AMEC Geomatrix (2010g)	September 2010 air sampling was conducted in the south warehouse to identify whether there was any indication of airborne chemicals.	VOCs
2011	Draft Remedial Investigation and Feasibility Study	AMEC Geomatrix (2011)	March 2011 additional direct-push sampling to further delineate the extent of selected constituents detected in soil and groundwater on the property. In addition, five groundwater monitoring wells were installed to serve long-term groundwater monitoring needs.	VOCs, TPH-G, BTEX, PAHs, Arsenic, Chromium, Lead, PCBs
2013	DPVE Pilot Study Summary	AMEC Environment & Infrastructure, Inc. (AMEC 2013a)	April 2013 collection of groundwater samples from well KMW-03 in prior to designing a remediation pilot test. After reviewing these results and seeing a dramatic decrease in the concentration of TPH-G and VOCs in the April 2013 groundwater sample compared to the March 2011 groundwater sample, it was decided that a complete round of samples should be collected from the existing wells.	TPH-G, VOCs, and the following geochemical parameters: TOC, TDS, total suspended solids, hardness, chloride, nitrate, nitrite, sulfate, sulfide, total phosphorus, dissolved calcium, total and ferrous iron, dissolved magnesium, dissolved manganese, dissolved potassium, and dissolved sodium

TABLE 4-1

SUMMARY OF FORMER INVESTIGATIONS
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Year	Report Title	Consultant (Reference)	Summary	Chemical Constituents Analyzed
2013	Groundwater Monitoring Results Memo	AMEC Environment & Infrastructure, Inc. (AMEC 2013b)	Collection of a complete round of groundwater samples from the five existing groundwater monitoring wells in order to determine how concentrations of COCs and geochemical parameters have changed since 2011. This data confirmed the drop in TPH-G and VOCs since 2011.	TPH-G, VOCs, and the following geochemical parameters: TOC, TDS, total suspended solids, total and dissolved manganese, total iron, dissolved ferrous iron, hardness, alkalinity, nitrate, nitrite, sulfate, sulfide, phosphorous, ortho-phosphate, and dissolved gases (methane, ethane, and ethene)
2015	Underground Storage Tank Decommissioning Report	Amec Foster Wheeler (2015)	In March, 2015, Amec Foster Wheeler oversaw the decommissioning and removal of an UST. The report described the results of the project, as well as associated soil sampling conducted during the project.	TPH-G, TPH-D, VOCs, BTEX, SVOCs, Metals
2015	PCB Closure Report	Amec Foster Wheeler	In February and March, 2015, Amec Foster Wheeler oversaw the removal of PCB-containing materials from the subject property. Following the demolition and soil removal, all confirmation samples collected at the property were below the high occupancy PCB cleanup level of 1 ppm. Amec Foster Wheeler describes the results of the project, as well as associated soil sampling conducted.	Metals, PCBs
2015	Draft Remedial Investigation	Amec Foster Wheeler (2016)	In March, 2015, Amec Foster Wheeler collected groundwater samples from nine direct push borings to evaluate current conditions. Groundwater samples were also collected from monitoring wells KMW-03 and KMW-04.	TPH-G and the following geochemical parameters on select samples: TOC, total and dissolved iron and manganese, nitrate, sulfate, and chemical oxygen demand.
2015	Underground Storage Tank Decommissioning Report	Amec Foster Wheeler	In June 2015, Amec Foster Wheeler oversaw the decommissioning and removal of an UST. The report described the results of the project, as well as associated soil and tank fluid sampling conducted during the project.	TPH-G, TPH-D, BTEX
2015	Draft Remedial Investigation	Amec Foster Wheeler (2016)	In June and October 2015, Amec Foster Wheeler oversaw two phases of remediation pipe installation.	TPH-G, TPH-D, BTEX, VOCs, Metals
2015	Draft Remedial Investigation	Amec Foster Wheeler (2016)	In November 2015, Amec Foster Wheeler oversaw the disposal of soils generated during utility trenching operations.	TPH-G, TPH-D, BTEX

Abbreviations
BTEX = benzene, toluene, ethylbenzene, and xylenes
COC = constituent of concern
ESA = Environmental Site Assessment
NA = not available
PAH = polycyclic aromatic hydrocarbons
PCBs = polychlorinated biphenyls
ppm = parts per million
SVOCs = semivolatile organic compounds
TDS = total dissolved solids
TOC = total organic carbon
TPH-D = total petroleum hydrocarbons as diesel
TPH-G = total petroleum hydrocarbons as gasoline
UST = underground storage tank
VOCs = volatile organic compounds

TABLE 5-1

CONSTITUENTS OF POTENTIAL CONCERN
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Medium	Constituent Class	Constituent Detected
Soil	TPH	Diesel Range Organics
		Lube Oil
		Gasoline Range Organics
	Metals	Aluminum
		Arsenic
		Barium
		Cadmium
		Chromium
		Copper
		Lead
		Mercury
		Nickel
		Zinc
	PCBs	Aroclor 1254
		Aroclor 1260
	VOCs	1,1-Dichloroethane
		1,2,4-Trimethylbenzene
		1,3,5-Trimethylbenzene
		2-Butanone
		Acetone
		Benzene
		Carbon disulfide
		Ethylbenzene
		Isopropylbenzene
		Methyl Isobutyl Ketone
		Methylene Chloride
		Naphthalene
		m,p-Xylene
		o-Xylene
		n-Butylbenzene
		n-Propylbenzene
		p-Isopropyltoluene
		sec-Butylbenzene
		tert-Butylbenzene
		Tetrachloroethene
		Toluene
		Trichloroethene
		Trichloroflouromethane

TABLE 5-1

CONSTITUENTS OF POTENTIAL CONCERN
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Medium	Constituent Class	Constituent Detected
Soil	SVOCs	(3+4)-Methylphenol (m,p-Cresol)
		2,4-Dimethylphenol
		2-Methylphenol (o-Cresol)
		Acenapthene
		Acenaphthylene
		Anthracene
		Benzo[a]anthracene
		Benzo[a]pyrene
		Benzo[b]fluoranthene
		Benzo[g,h,i]perylene
		Benzo[k]fluoranthene
		Bis(2-ethylhexyl)phthalate
		bis-2-Ethylhexyladipate
		Carbazole
		Chrysene
		Dibenz[a,h]anthracene
		Dibenzofuran
		Flouranthene
		Flourene
		Indeno[1,2,3-cd]pyrene
		1-Methylnaphthalene
		2-Methylnaphthalene
		Naphthalene
		Phenanthrene
		Pyrene

TABLE 5-1

CONSTITUENTS OF POTENTIAL CONCERN
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Medium	Constituent Class	Constituent Detected
Groundwater[2]	TPH[1]	Diesel Range Organics
		Lube Oil
		Gasoline Range Organics
	Metals	Arsenic
		Chromium
		Copper
		Lead
		Mercury
		Nickel
		Zinc
	VOCs	(cis) 1,2-Dichloroethene
		(trans) 1,2-dichloroethene
		1,1,1-Trichloroethane
		1,1-Dichloroethane
		1,2-Dichloroethane
		1,2,4-Trimethylbenzene
		1,3,5-Trimethylbenzene
		Acetone
		Benzene
		Chloroform
		Ethylbenzene
		Isopropylbenzene
		Naphthalene
		n-Butylbenzene
		n-Propylbenzene
		m,p-Xylene
		o-Xylene
		p-Isopropyltoluene
		sec-Butylbenzene
		tert-Butylbenzene
		Styrene
		Toluene
		Trichloroethene
		Trichlorofluoromethane
		Vinyl Chloride

TABLE 5-1

CONSTITUENTS OF POTENTIAL CONCERN
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Medium	Constituent Class	Constituent Detected
Groundwater[2]	SVOCs	(3+4)-Methylphenol (m,p-Cresol)
		1,4-Dinitrobenzene
		2,4-Dimethylphenol
		2-Methylphenol (o-Cresol)
		Acenaphthene
		Acenaphthylene
		Anthracene
		Benzo[a]anthracene
		Benzo[a]pyrene
		Benzo[b]fluoranthene
		Benzo[g,h,i]perylene
		Benzo[k]fluoranthene
		bis(2-Ethylhexyl)phthalate
		Carbazole
		Chrysene
		Dibenz[a,h]anthracene
		Dibenzofuran
		Dimethylphthalate
		Di-n-octylphthalate
		Fluoranthene
		Fluorene
		Indeno[1,2,3-cd]pyrene
		1-Methylnaphthalene
		2-Methylnaphthalene
		Naphthalene
		Phenanthrene
		Pyrene

Notes:
1. TPH in the diesel range and lube oil ranges were only detected in grab samples collected from open UST excavations, not in groundwater samples collected from monitoring wells. However, they are inlcuded as COPCs due to the presence of high concentrations in soil samples collected on site.
2. Parameters collected to evaluate groundwater geochemistry (Table 5-8) are not included as COPCs.

Abbreviations
COPCs = constituents of potential concern
PCBs = polychlorinated biphenyls
SVOCs = semivolatile organic compounds
TPH = total petroleum hydrocarbons
UST = underground storage tank
VOCs = volatile organic compounds

TABLE 5-2

SOIL ANALYTICAL RESULTS - METALS [1]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in milligrams per kilogram (mg/kg)

Sample Location	Depth (feet bgs)	Sample Date	Aluminum	Antimony	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
Preliminary Screening Levels			**32,600**	**1,400**	**10**	**824**	**1**	**48**	**36**	**220**	**0.5**	**63**	**10**	**2**	**85**
B7-Trench-1	2.5	1/24/2009	--	--	11 U	37	0.54 U	19	--	34	0.28	--	11 U	0.54 U	--
B7-Trench-2	2.5	1/24/2009	--	--	11 U	39	0.56 U	16	--	25	0.28 U	--	11 U	0.56 U	--
B7-Trench-3	2.5	1/24/2009	--	--	11 U	93	**1.8**	15	--	200	0.28 U	--	11 U	0.56 U	--
Containment-E-Wall	9.5	10/27/2009	--	--	12 U	--	0.59 U	21	13	5.9 U	0.3 U	25	--	--	31
Containment-N-Wall	9.5	10/27/2009	--	--	13 U	--	0.63 U	7.2	7	6.3 U	0.31 U	4.1	--	--	17
	9.5	10/28/2009	--	--	17 U	--	0.87 U	26	**39**	21	0.44 U	25	--	--	**100**
Containment-S-Wall	9.5	10/27/2009	--	--	12 U	--	0.61 U	24	11	6.1 U	0.3 U	27	--	--	26
Containment-W-Wall	9.5	10/28/2009	--	--	12 U	--	0.58 U	12	20	34	0.29 U	12	--	--	55
E	6	3/18/1998	7,630	0.5 U	2.19	--	0.5 U	--	--	--	--	--	0.5 U	--	--
KM-1	1.5-2	8/5/2009	--	--	13 U	--	**1.8**	17	**59**	370	0.31 U	14	--	--	**150**
	5.5-6	8/5/2009	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--
KM-2	1.5-2	8/5/2009	--	--	11 U	--	0.73	10	21	26	0.26 U	9.1	--	--	40
KM-5	2-2.5	8/7/2009	--	--	13 U	24	0.64 U	6.1	--	6.4 U	0.32 U	--	13 U	0.64 U	--
	6-6.5	8/7/2009	--	--	11 U	20	0.53 U	6.3	--	5.3 U	0.26 U	--	11 U	0.53 U	--
KM-6	1.5-2	8/7/2009	--	--	11 U	37	0.54 U	10	--	5.4 U	0.27 U	--	11 U	0.54 U	--
	4-4.2	8/7/2009	--	--	11 U	26	0.53 U	8.4	--	5.3 U	0.27 U	--	11 U	0.53 U	--
KM-7	1.8-2	8/7/2009	--	--	15 U	75	0.74 U	32	--	24	0.37 U	--	15 U	0.74 U	--
	6.8-7	8/7/2009	--	--	11 U	41	0.57 U	8	--	5.7 U	0.29 U	--	11 U	0.57 U	--
KM-8	1.8-2	8/7/2009	--	--	13 U	61	0.65 U	20	--	12	0.32 U	--	13 U	0.65 U	--
	6.8-7	8/7/2009	--	--	11 U	28	0.54 U	7.4	--	5.4 U	0.27 U	--	11 U	0.54 U	--
KM-9	1.5-2	8/5/2009	--	--	11 U	--	0.54 U	6.2	8.5	5.4 U	0.27 U	5.9	--	--	16
KM-10	1.2-1.5	8/6/2009	--	--	10 U	110	**1.8**	**110**	--	**700**	0.26 U	--	10 U	0.52 U	--
	5.2-5.5	8/6/2009	--	--	11 U	26	0.53 U	7.4	--	17	0.27 U	--	11 U	0.53 U	--
KM-11	1.8-2	8/6/2009	--	--	13 U	380	0.63 U	9.4	--	44	0.32 U	--	13 U	0.63 U	--
KM-12	1.8-2	8/7/2009	--	--	11 U	16	0.53 U	7	--	5.3 U	0.26 U	--	11 U	0.53 U	--
KM-13	1.2-1.5	8/6/2009	--	--	11 U	35	0.53 U	23	--	5.3 U	0.26 U	--	11 U	0.53 U	--
KM-14	1.8-2	8/6/2009	--	--	11 U	92	0.56 U	21	--	66	0.28 U	--	11 U	0.56 U	--
KM-15	3.8-4	8/6/2009	--	--	**15**	390	0.6 U	26	--	**410**	**0.83**	--	12 U	0.6 U	--
KM-16	3.8-4	8/6/2009	--	--	**14**	400	0.54 U	44	--	14	0.27 U	--	11 U	0.54 U	--

TABLE 5-2

SOIL ANALYTICAL RESULTS - METALS [1]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in milligrams per kilogram (mg/kg)

Sample Location	Depth (feet bgs)	Sample Date	Aluminum	Antimony	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
Preliminary Screening Levels			**32,600**	**1,400**	**10**	**824**	**1**	**48**	**36**	**220**	**0.5**	**63**	**10**	**2**	**85**
KM-22	6.5-7	8/23/2010	--	--	13 U	--	0.64 U	21	**86**	190	0.32 U	31	--	--	**110**
	12.5-13	8/23/2010	--	--	12 U	--	0.59 U	8.1	8.8	5.9 U	0.29 U	6.9	--	--	18
KM-23	7.5-8	8/23/2010	--	--	11 U	--	0.53 U	8.6	23	20	0.26 U	9.2	--	--	36
	10.5-11	8/23/2010	--	--	12 U	--	0.58 U	6.5	9.6	5.8 U	0.29 U	7	--	--	17
KM-24	7.5-8	8/23/2010	--	--	11 U	--	0.55 U	8.3	10	9.6	0.27 U	8.9	--	--	29
	10.5-11	8/23/2010	--	--	12 U	--	0.61 U	8.2	8.1	6.1 U	0.3 U	6.7	--	--	18
KM-25	10.5-11	8/23/2010	--	--	11 U	--	0.56 U	31	24	32	0.28 U	14	--	--	34
KM-26	8-8.5	8/23/2010	--	--	10 U	--	**1.9**	7.3	8.1	5.2 U	0.26 U	8.1	--	--	23
	11-11.5	8/23/2010	--	--	12 U	--	0.58 U	5.8	8.9	5.8 U	0.29 U	5.8	--	--	14
KM-27	8-8.5	8/24/2010	--	--	11 U	--	0.53 U	7.2	8.8	5.3 U	0.26 U	7	--	--	14
	10.5-11	8/24/2010	--	--	12 U	--	0.59 U	6.5	9.3	5.9 U	0.3 U	6.4	--	--	15
KM-28	8.5-9	8/24/2010	--	--	11 U	--	0.55 U	6.8	8.8	5.5 U	0.27 U	7.6	--	--	40
	10.5-11	8/24/2010	--	--	11 U	--	0.55 U	6	8.4	5.5 U	0.27 U	6.2	--	--	17
KM-29	7.5-8	8/24/2010	--	--	11 U	--	0.53 U	7	8.9	5.3 U	0.27 U	8	--	--	15
	10.5-11	8/24/2010	--	--	11 U	--	0.54 U	7.3	8.1	5.4 U	0.27 U	7.6	--	--	14
NE	6	3/18/1998	8,820	0.5 U	2.21	--	0.5 U	--	--	--	--	--	0.5 U	--	--
Pipe-C1	5.5	1/17/2009	--	--	11 U	--	0.56 U	18	15	9.8	0.28 U	22	--	--	68
Product-E1-Wall	9	10/22/2009	--	--	11 U	--	0.56 U	13	28	5.6 U	0.28 U	13	--	--	24
Product-E2-Wall	9	10/22/2009	--	--	12 U	--	0.58 U	18	26	5.8 U	0.29 U	14	--	--	25
Product-N-Wall	9	10/22/2009	--	--	13 U	--	0.64 U	7.2	9.3	6.4 U	0.32 U	6.6	--	--	**140**
Product-S-Wall	9	10/20/2009	--	--	12 U	--	0.61 U	5.6	5.3	6.1 U	0.3 U	5.2	--	--	14
Product-W1b-Wall	9.5	5/3/2010	--	--	11 U	--	0.56 U	9	7.2	5.6 U	0.28 U	6.9	--	--	16
Product-W2b-Wall	9.5	5/3/2010	--	--	11 U	--	0.54 U	9.4	8.8	5.4 U	0.27 U	9.3	--	--	17
SE	6	3/18/1998	6,450	0.5 U	2.02	--	0.5 U	--	--	--	--	--	0.5 U	--	--
Tank-1-B	9.5	10/27/2009	--	--	13 U	--	0.65 U	9.5	8.9	6.5 U	0.32 U	11	--	--	21
Tank-2-B	9.5	10/27/2009	--	--	12 U	--	0.62 U	8.9	9.5	6.2 U	0.31 U	11	--	--	23
Tank-3-B	9.5	10/20/2009	--	--	12 U	--	0.58 U	16	26	5.8 U	0.29 U	15	--	--	27
Tank-5-B	9.5	10/21/2009	--	--	12 U	--	0.6 U	11	25	6 U	0.3 U	12	--	--	23

TABLE 5-2

SOIL ANALYTICAL RESULTS - METALS [1]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in milligrams per kilogram (mg/kg)

Sample Location	Depth (feet bgs)	Sample Date	Aluminum	Antimony	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
Preliminary Screening Levels			**32,600**	**1,400**	**10**	**824**	**1**	**48**	**36**	**220**	**0.5**	**63**	**10**	**2**	**85**
Tank-6-B	9.5	10/21/2009	--	--	11 U	--	0.56 U	7.8	9.3	5.6 U	0.28 U	8.8	--	--	25
Tank-7-B	9.5	10/22/2009	--	--	11 U	--	0.57 U	13	33	5.7 U	0.29 U	13	--	--	29
Tank-8-B	9.5	10/22/2009	--	--	12 U	--	0.59 U	15	30	5.9 U	0.29 U	15	--	--	27
Tank-9-B	9.5	10/22/2009	--	--	12 U	--	0.61 U	17	13	7.2	0.31 U	22	--	--	95
Tank-soil-B1		3/5/2015	--	--	12 U	170	0.59 U	25	--	120	0.29 U	--	12 U	1.2 U	--
TP4	1	5/3/2010	--	--	14 U	--	0.68 U	13	**110**	52	0.34 U	25	--	--	67
	8	5/3/2010	4	--	11 U	--	0.55 U	6.8	8.1	5.5 U	0.28 U	6.8	--	--	18

Notes
1. Data flags are as follows:
   U = analyte not detected at or above laboratory reporting limit indicated.
   -- = not analyzed
   = indicates sample was over-excavated.
Bold results exceed preliminary screening levels.

Abbreviations
bgs = below ground surface
mg/kg = milligrams per kilogram

TABLE 5-3

SOIL ANALYTICAL RESULTS - TOTAL PETROLEUM HYDROCARBONS [1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in milligrams per kilogram (mg/kg)

Sample Location	Depth (feet bgs)	Sample Date	Gasoline Range Organics	Diesel Range Organics	Lube Oil	Mineral Spirits
Preliminary Screening Levels (mg/kg)			**30/100**	**2,000**	**2,000**	**2,000**
B7-Piping-B1	5.0	02/27/15	**2,600**	**3,300**	370	--
B7-Piping-B2	5.0	02/27/15	**3,000**	**4,100**	710	--
B7-Piping-B3	4.5	02/27/15	**5,800**	**--**	--	--
B7-Piping-B4	4.5	02/27/15	**1,400**	**--**	--	--
B7-Piping-B5	5.0	03/13/15	**1,100**	**7,800**	970 U	--
B7-Piping-S1 [2]	4.0	02/27/15	**250**	**14,000**	**6,100**	--
B7-Piping-S1B	4.0	03/13/15	**3,900**	**11,000**	1,300 U	--
B7-Piping-S2	4.0	02/27/15	**1,300**	**7,400**	**5,600**	--
B7-Piping-S3	3.5	02/27/15	**7,900**	**--**	**--**	--
B7-Piping-S4	3.5	02/27/15	**8,700**	**--**	**--**	--
B7-Trench-1	2.5	11/24/2009	**30,000**	**21,000**	320	--
B7-Trench-2	2.5	11/24/2009	**33,000**	**6,500**	450	--
B7-Trench-3	2.5	11/24/2009	72	380	1,400	--
Containment-E-Wall	9.5	10/27/2009	58	30 U	220	--
Containment-N-Wall	9.5	10/27/2009	16	31 U	63 U	--
Containment-S-Wall	9.5	10/27/2009	88	41 U	61 U	--
Containment-W-Wall	9.5	10/28/2009	**150**	29 U	240	--
E	6	3/18/1998	--	--	--	5 U
KM-1	1.5-2	8/5/2009	8.1 U	35	330	--
KM-2	1.5-2	8/5/2009	5.4 U	26 U	53 U	--
KM-5	2-2.5	8/7/2009	35	32 U	64 U	--
	6-6.5		**4,400**	840 U	53 U	--
KM-6	1.5-2	8/7/2009	**110**	27 U	54 U	--
	4-4.2		**1,200**	36 U	53 U	--
KM-7	1.8-2	8/7/2009	**1,200**	94 U	97	--
	6.8-7		**2,300**	920 U	57 U	--
KM-8	1.8-2	8/7/2009	**80**	34	140	--
	6.8-7		**8,400**	2,200 U	54 U	--
KM-9	1.5-2	8/5/2009	5.2 U	27 U	54 U	--
KM-10	1.2-1.5	8/6/2009	**11,000**	**5,600**	**2,200**	--
	5.2-5.5		**5,400**	**2,700**	280	--
KM-11	1.8-2	8/6/2009	**300**	1,100	440	--
	6.8-7		5.1 U	--	--	--
KM-12	1.8-2	8/7/2009	5 U	26 U	53 U	--
KM-13	1.2-1.5	8/6/2009	5.4 U	26 U	53 U	--
KM-14	1.8-2	8/6/2009	8	35	130	--
KM-15	3.8-4	8/6/2009	7.2 U	38	210	--
KM-16	3.8-4	8/6/2009	5.9 U	27 U	160	--
	7.8-8		5.2 UJ	--	--	--
KM-19	3.5-4	12/23/2009	**430**	--	--	--
	6-6.5		**8,200**	--	--	--
KM-19-Bot	7	2/26/2015	**420**	--	--	--
KM-19-EW	5	2/26/2015	36	--	--	--
KM-19-NW	4.5	2/26/2015	56	--	--	--
KM-19-SW	4.5	2/26/2015	4.0 U	--	--	--
KM-19-WW	5	2/26/2015	5.4 U	--	--	--

TABLE 5-3

SOIL ANALYTICAL RESULTS - TOTAL PETROLEUM HYDROCARBONS [1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in milligrams per kilogram (mg/kg)

Sample Location	Depth (feet bgs)	Sample Date	Gasoline Range Organics	Diesel Range Organics	Lube Oil	Mineral Spirits
Preliminary Screening Levels (mg/kg)			**30/100**	**2,000**	**2,000**	**2,000**
KM-22	6.5-7	8/23/2010	**350**	150 U	290	--
	12.5-13		30	29 U	59 U	--
KM-23	7.5-8	8/23/2010	14	26 U	53 U	--
	10.5-11		44	29 U	58 U	--
KM-24	7.5-8	8/23/2010	5.9 U	27 U	55 U	--
	10.5-11		6.9 U	30 U	61 U	--
KM-25	10.5-11	8/23/2010	6.1 U	39	100	--
KM-26	8-8.5	8/23/2010	5.2 U	26 U	52 U	--
	11-11.5		6.8 U	29 U	58 U	--
KM-27	8-8.5	8/24/2010	5.4 U	27 U	53 U	--
	10.5-11		6.8 U	30 U	59 U	--
KM-28	8.5-9	8/24/2010	5.7 U	28 U	55 U	--
	10.5-11		6.2 U	28 U	55 U	--
KM-29	7.5-8	8/24/2010	5.6 U	27 U	53 U	--
	10.5-11		6 U	27 U	54 U	--
KM-30	2-2.5	3/23/2011	**400**	--	--	--
	4.75-5.25		**6,000**	--	--	--
KM-30-Bot	5.5	2/26/2015	**2,400**	--	--	--
KM-30-EW	4	2/26/2015	**3,500**	--	--	--
KM-30-NW	4	2/26/2015	100	--	--	--
KM-30-SW	5	2/26/2015	**2,500**	--	--	--
KM-30-WW	4	2/26/2015	**2,600**	--	--	--
KM-31	2.5-3	3/22/2011	5.3 U	--	--	--
KM-32	2.5-3	3/22/2011	5.1 U	--	--	--
KM-33	4-4.5	3/22/2011	**3300**	--	--	--
KM-34	2-2.5	3/21/2011	5.4 U	--	--	--
	4-4.5		5.2 U	--	--	--
KM-35	2-2.5	3/22/2011	4 U	--	--	--
	6.5-7		5.1 U	--	--	--
KM-36	2-2.5	3/21/2011	**360**	--	--	--
	6-6.5		**94**	--	--	--
KM-37	2-2.5	3/21/2011	28	--	--	--
	5-5.5		**81**	--	--	--
KM-39	2-2.75	3/24/2011	**4,800**	--	--	--
	2-2.75 (FD)		**4,900**	--	--	--
	4.5-5		**990**	--	--	--
KM-39-B1	4.5	03/15/15	**1,600**	--	--	--
KM-39-EW	3.5	03/15/15	**1,200**	--	--	--
KM-39-NW	3.5	03/15/15	7.2 U	--	--	--
KM-39-SW	3.5	03/15/15	**170**	--	--	--

TABLE 5-3

SOIL ANALYTICAL RESULTS - TOTAL PETROLEUM HYDROCARBONS [1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in milligrams per kilogram (mg/kg)

Sample Location	Depth (feet bgs)	Sample Date	Gasoline Range Organics	Diesel Range Organics	Lube Oil	Mineral Spirits
Preliminary Screening Levels (mg/kg)			**30/100**	**2,000**	**2,000**	**2,000**
KM-39-WW	3.5	03/15/15	**3,100**	--	--	--
KM-40	1.5-2	3/21/2011	**250**	--	--	--
	4-4.5		**280**	--	--	--
KM-41	2.75-3.25	3/24/2011	**560**	--	--	--
	4.25-4.75		**8,300**	--	--	--
KM-41-B1	6.0	03/06/15	**380**	--	--	--
KM-41-EW	4.0	03/06/15	5.0 U	--	--	--
KM-41-NW	4.0	03/06/15	6.6 U	--	--	--
KM-41-SW	4.0	03/06/15	**3,600**	--	--	--
KM-41-WW	4.0	03/06/15	6.5 U	--	--	--
KM-R01	2	10/15/2015	**69**	--	--	--
KM-R02	5	10/15/2015	21	--	--	--
KM-R03	2	10/16/2015	7.6 U	--	--	--
KM-R04	6	10/16/2015	**700**	--	--	--
KM-R05	2	10/19/2015	**230**	--	--	--
KM-R06	6.5	10/19/2015	**140**	--	--	--
KM-R07	2	10/20/2015	4.7 U	--	--	--
KM-R08	5	10/20/2015	**99**	--	--	--
KM-R09	2	10/20/2015	4.5 U	--	--	--
KM-R10	5	10/20/2015	**1,400**	--	--	--
KM-R11	2	10/21/2015	9.3	--	--	--
KM-R12	5	10/21/2015	**5,000**	--	--	--
KM-R13	3	11/3/2015	**100**	--	--	--
KMW-04	2-2.5	3/17/2011	27	--	--	--
	4.5-5	3/17/2011	5.3 U	--	--	--
NE	6	3/18/1998	--	--	--	5.51
Pipe-1	5.5	10/28/2009	18	44 U	200	--
Pipe-C1	5.5	1/17/2009	15	28 U	56 U	--
Product-E1-Wall	9	10/22/2009	6.7 U	28 U	56 U	--
Product-E2-Wall	9	10/22/2009	6.3 U	29 U	58 U	--
Product-N-Wall	9	10/22/2009	100	32 U	64 U	--
Product-S-Wall	9	10/20/2009	9.8	30 U	61 U	--
Product-W1b-Wall	9.5	1/13/2009	**120**	28 U	56 U	--
Product-W2b-Wall	9.5	1/13/2009	**760**	97 U	54 U	--
SE	6	3/18/1998	--	--	--	5 U
Tank-1-B	9.5	10/27/2009	7.4 U	44 U	65 U	--
Tank-2-B	9.5	10/27/2009	54	31 U	62 U	--
Tank-3-B	9.5	10/20/2009	6.7 U	29 U	58 U	--
Tank-5-B	9.5	10/21/2009	7.6 U	30 U	60 U	--

TABLE 5-3

SOIL ANALYTICAL RESULTS - TOTAL PETROLEUM HYDROCARBONS [1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in milligrams per kilogram (mg/kg)

Sample Location	Depth (feet bgs)	Sample Date	Gasoline Range Organics	Diesel Range Organics	Lube Oil	Mineral Spirits
Preliminary Screening Levels (mg/kg)			**30/100**	**2,000**	**2,000**	**2,000**
Tank-6-B	9.5	10/21/2009	**180**	30	56 U	--
Tank-7-B	9.5	10/22/2009	5.3 U	29 U	57 U	--
Tank-8-B	9.5	10/22/2009	7 U	29 U	59 U	--
Tank-9-B	9.5	10/22/2009	28	88 U	61 U	--
Tank-soil-B1	~ 3.5	03/05/15	**4,400**	**2,100**	1,700	--
Tank-soil-B1B	~ 3.5	03/09/15	--	--	--	--
TANK2-SOIL-B1	9.5	06/18/15	**2,700**	**2,100**	280	--
TANK2-SOIL-S1	5.0	06/22/15	**520**	560	280	--
TANK2-SOIL-S2	5.0	06/22/15	5.3U	94	72	--
TANK2-SOIL-S3	5.0	06/22/15	**2,000**	**2,600**	850	--
TP4	1	1/13/2009	8.3 U	34 U	68 U	--
	8	1/13/2009	**970**	54 U	55 U	--

Notes
1. Data flags are as follows:
   U = analyte not detected at or above laboratory reporting limit indicated.
   UJ = analyte not detected at or above value shown, which is estimated laboratory reporting limit.
   -- = not analyzed
   = indicates sample was over-excavated.

Bold results exceed preliminary screening levels.

Abbreviations
bgs = below ground surface
mg/kg = milligrams per kilogram

TABLE 5-4

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1, 2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	*cis*-1,2-Dichloroethene	*cis*-1,3-Dichloropropene	*trans*-1,2-Dichloroethene	*trans*-1,3-Dichloropropene	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane
Preliminary Screening Levels (mg/kg)			**0.08**	**--**	**0.87**	**--**	**5,048**	**41.5**	**0.001**	**0.003**	**0.04**	**0.001**	**--**	**--**	**4.4**	**0.1**	**--**	**164**	**66**
B7-Piping-B1	5.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-B2	5.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-B3	4.5	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-B4	4.5	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-B5	5.0	03/13/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-S1	4.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-S1B	4.0	03/13/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-S2	4.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-S3	3.5	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-S4	3.5	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Trench-1	2.5	11/24/2009	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	62 J	5.5 U	1.1 U
B7-Trench-2	2.5	11/24/2009	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	210	6.2 U	1.2 U
B7-Trench-3	2.5	11/24/2009	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 UJ	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 UJ	0.0012 UJ	0.0018 J	0.0058 UJ	0.0012 U
Containment-E-Wall	9.5	10/27/2009	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.14	0.33 U	0.065 U
Containment-N-Wall	9.5	10/27/2009	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.057	0.005 U	0.001 U
Containment-S-Wall	9.5	10/27/2009	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5	6.7 U	1.3 U
Containment-W-Wall	9.5	10/28/2009	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.057 J	0.0065 U	0.0013 U
E	6	3/18/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.1 U	--	--
KM-1	1.5-2	8/5/2009	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 UJ	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 UJ	0.0014 UJ	0.0014 UJ	0.0014 UJ	0.0069 UJ	0.0014 U
KM-2	1.5-2	8/5/2009	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0052 U	0.001 U
KMW-04	2-2.5	3/17/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4.5-5	3/17/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-5	2-2.5	8/7/2009	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0078 U	0.0016 U
	6-6.5		0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.5 U	0.3 U
KM-6	1.5-2	8/7/2009	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.32 U	0.064 U
	4-4.2		0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	1.3	0.31 U	0.062 U
KM-7	1.8-2	8/7/2009	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	3.6	9.9 U	2 U
	6.8-7		0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.36 U	0.072 U
KM-8	1.8-2	8/7/2009	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.16	0.41 U	0.081 U
	6.8-7		2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	27	12 U	2.4 U
KM-9	1.5-2	8/5/2009	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0067 U	0.0013 U
KM-10	1.2-1.5	8/6/2009	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	120	5.8 U	1.2 U
	5.2-5.5		0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.5	1.6 U	0.31 U
KM-11	1.8-2	8/6/2009	0.0018 U	0.0018 U	0.0018 U	0.0018 UJ	0.0018 UJ	0.0018 U	0.0018 UJ	0.0018 UJ	**0.02**	0.0018 U	0.0018 U	0.0018 UJ	0.0018 UJ	0.0018 UJ	0.0088 J	0.0091 UJ	0.0018 UJ
	6.8-7		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-12	1.8-2	8/7/2009	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.006 U	0.0012 U
KM-13	1.2-1.5	8/6/2009	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.0049 U	0.00097 U
KM-14	1.8-2	8/6/2009	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0051 U	0.001 U
KM-15	3.8-4	8/6/2009	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 UJ	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0059 UJ	0.0012 U
KM-16	3.8-4	8/6/2009	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 UJ	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 UJ	0.0013 UJ	0.0013 UJ	0.0013 UJ	0.0064 UJ	0.0013 U
	7.8-8	8/6/2009	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.006 UJ	0.0012 UJ
KM-17	1.5-2	12/23/2009	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0058 U	0.0012 U
	6.2-6.8	12/23/2009	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0077 U	0.0015 U
KM-19	3.5-4	12/23/2009	0.087 U	0.087 U	0.087 U	0.087 U	0.087 U	0.087 U	0.087 U	0.087 U	0.087 U	0.087 U	0.087 U	0.087 U	0.087 U	0.087 U	0.087 U	0.43 U	0.087 U
	6-6.5	12/23/2009	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.6 U	0.33 U
KM-19-Bot	7	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-19-EW	5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-19-NW	4.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-19-SW	4.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-19-WW	5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 5-4

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1, 2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone	2-Chloroethyl vinyl ether	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane
Preliminary Screening Levels (mg/kg)			**4.9**	**0.002**	**0.003**	**35,000**	**--**	**1,313**	**0.08**	**--**	**2,100,000**	**--**	**--**	**--**	**--**	**29**	**0.004**	**--**	**--**	**0.001**
B7-Piping-B1	5.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.097**	--	--	--
B7-Piping-B2	5.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.41**	--	--	--
B7-Piping-B3	4.5	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.12**	--	--	--
B7-Piping-B4	4.5	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.094**	--	--	--
B7-Piping-B5	5.0	03/13/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.13**	--	--	--
B7-Piping-S1	4.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.11**	--	--	--
B7-Piping-S1B	4.0	03/13/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.27**	--	--	--
B7-Piping-S2	4.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.069**	--	--	--
B7-Piping-S3	3.5	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.28**	--	--	--
B7-Piping-S4	3.5	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.3**	--	--	--
B7-Trench-1	2.5	11/24/2009	1.1 U	1.1 U	1.1 U	20 J	1.1 U	1.1 U	1.1 U	1.1 U	5.5 U	5.5 U	1.1 U	5.5 U	1.1 U	5.5 U	1.1 U	1.1 U	1.1 U	1.1 U
B7-Trench-2	2.5	11/24/2009	1.2 U	1.2 U	1.2 U	54	1.2 U	1.2 U	1.2 U	1.2 U	14	6.2 U	1.2 U	6.2 U	1.2 U	6.2 U	1.2 U	1.2 U	1.2 U	1.2 U
B7-Trench-3	2.5	11/24/2009	0.0012 UJ	0.0012 U	0.0012 U	0.0013 J	0.0012 UJ	0.0012 U	0.0012 UJ	0.0012 U	0.0058 U	0.0058 U	0.0012 UJ	0.0058 U	0.0012 UJ	0.0058 U	0.0012 U	0.0012 UJ	0.0012 U	0.0012 U
Containment-E-Wall	9.5	10/27/2009	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.33 U	0.33 U	0.065 U	0.33 U	0.065 U	0.33 U	0.065 U	0.065 U	0.065 U	0.065 U
Containment-N-Wall	9.5	10/27/2009	0.001 U	0.001 U	0.001 U	0.023	0.001 U	0.001 U	0.001 U	0.001 U	0.005 U	0.005 U	0.001 U	0.005 U	0.001 U	0.034	0.0016	0.001 U	0.001 U	0.001 U
Containment-S-Wall	9.5	10/27/2009	1.3 U	1.3 U	1.3 U	1.4	1.3 U	1.3 U	1.3 U	1.3 U	6.7 U	6.7 U	1.3 U	6.7 U	1.3 U	6.7 U	1.3 U	1.3 U	1.3 U	1.3 U
Containment-W-Wall	9.5	10/28/2009	0.0013 U	0.0013 U	0.0013 U	0.029 J	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0065 U	0.0065 U	0.0013 U	0.0065 U	0.0013 U	0.15 J	0.002 J	0.0013 U	0.0013 U	0.0013 U
E	6	3/18/1998	--	--	--	0.4 U	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
KM-1	1.5-2	8/5/2009	0.0014 UJ	0.0014 U	0.0014 U	0.0014 UJ	0.0014 UJ	0.0014 U	0.0014 U	0.0014 U	0.022	0.0069 U	0.0014 UJ	0.0069 U	0.0014 UJ	0.16	0.0014 U	0.0014 UJ	0.0014 U	0.0014 U
KM-2	1.5-2	8/5/2009	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0052 U	0.0052 U	0.001 U	0.0052 U	0.001 U	0.0052 U	0.001 U	0.001 U	0.001 U	0.001 U
KMW-04	2-2.5	3/17/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.02 U	--	--	--
	4.5-5	3/17/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.02 U	--	--	--
KM-5	2-2.5	8/7/2009	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.011	0.0078 U	0.0016 U	0.0078 U	0.0016 U	0.076	0.0016 U	0.0016 U	0.0016 U	0.0016 U
	6-6.5		0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.5 U	1.5 U	0.3 U	1.5 U	0.3 U	1.5 U	0.3 U	0.3 U	0.3 U	0.3 U
KM-6	1.5-2	8/7/2009	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.32 U	0.32 U	0.064 U	0.32 U	0.064 U	0.32 U	0.064 U	0.064 U	0.064 U	0.064 U
	4-4.2		0.062 U	0.062 U	0.062 U	0.35	0.062 U	0.062 U	0.062 U	0.062 U	0.31 U	0.31 U	0.062 U	0.31 U	0.062 U	0.31 U	0.062 U	0.062 U	0.062 U	0.062 U
KM-7	1.8-2	8/7/2009	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	9.9 U	9.9 U	2 U	9.9 U	2 U	9.9 U	2 U	2 U	2 U	2 U
	6.8-7		0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.36 U	0.36 U	0.072 U	0.36 U	0.072 U	0.36	0.072 U	0.072 U	0.072 U	0.072 U
KM-8	1.8-2	8/7/2009	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.41 U	0.41 U	0.081 U	0.41 U	0.081 U	0.41 U	**0.13**	0.081 U	0.081 U	0.081 U
	6.8-7		2.4 U	2.4 U	2.4 U	10	2.4 U	2.4 U	2.4 U	2.4 U	12 U	12 U	2.4 U	12 U	2.4 U	12 U	2.4 U	2.4 U	2.4 U	2.4 U
KM-9	1.5-2	8/5/2009	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0067 U	0.0067 U	0.0013 U	0.0067 U	0.0013 U	0.0067 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U
KM-10	1.2-1.5	8/6/2009	1.2 U	1.2 U	1.2 U	39	1.2 U	1.2 U	1.2 U	1.2 U	5.8 U	5.8 U	1.2 U	5.8 U	1.2 U	5.8 U	1.2 U	1.2 U	1.2 U	1.2 U
	5.2-5.5		0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	1.6 U	1.6 U	0.31 U	1.6 U	0.31 U	1.6 U	0.31 U	0.31 U	0.31 U	0.31 U
KM-11	1.8-2	8/6/2009	0.0018 UJ	0.0018 U	0.0018 U	0.0018 UJ	0.0018 UJ	0.0018 U	0.0018 UJ	0.0018 UJ	0.0091 U	0.0091 U	0.0018 UJ	0.0091 UJ	0.0018 UJ	0.35	**0.0064**	0.0018 UJ	0.0018 U	0.0018 U
	6.8-7		--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.02 U	--	--	--
KM-12	1.8-2	8/7/2009	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.006 U	0.006 U	0.0012 U	0.006 U	0.0012 U	0.006 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
KM-13	1.2-1.5	8/6/2009	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.0049 U	0.0049 U	0.00097 U	0.0049 U	0.00097 U	0.0049 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U
KM-14	1.8-2	8/6/2009	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0051 U	0.0051 U	0.001 U	0.0051 U	0.001 U	0.0051 U	0.001 U	0.001 U	0.001 U	0.001 U
KM-15	3.8-4	8/6/2009	0.0012 UJ	0.0012 U	0.0012 U	0.0012 UJ	0.0012 UJ	0.0012 U	0.0012 UJ	0.0012 U	0.0059 U	0.0059 U	0.0012 UJ	0.0059 U	0.0012 UJ	0.0059 U	0.0012 U	0.0012 UJ	0.0012 U	0.0012 U
KM-16	3.8-4	8/6/2009	0.0013 UJ	0.0013 U	0.0013 U	0.0013 UJ	0.0013 UJ	0.0013 U	0.0013 UJ	0.0013 U	0.0064 U	0.0064 U	0.0013 UJ	0.0064 U	0.0013 UJ	0.0064 U	0.0013 U	0.0013 UJ	0.0013 U	0.0013 U
	7.8-8	8/6/2009	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.006 UJ	0.006 UJ	0.0012 UJ	0.006 UJ	0.0012 UJ	0.006 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ
KM-17	1.5-2	12/23/2009	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0058 U	0.0058 U	0.0012 U	0.0058 U	0.0012 U	0.0058 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
	6.2-6.8	12/23/2009	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0077 U	0.0077 U	0.0015 U	0.0077 U	0.0015 U	0.0077 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U
KM-19	3.5-4	12/23/2009	0.087 U	0.087 U	0.087 U	0.087 U	0.087 U	0.087 U	0.087 U	0.087 U	0.43 U	0.43 U	0.087 U	0.43 U	0.087 U	0.43 U	0.087 U	0.087 U	0.087 U	0.087 U
	6-6.5	12/23/2009	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.6 U	1.6 U	0.33 U	1.6 U	0.33 U	1.6 U	0.33 U	0.33 U	0.33 U	0.33 U
KM-19-Bot	7	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.020 U	--	--	--
KM-19-EW	5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.020 U	--	--	--
KM-19-NW	4.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.020 U	--	--	--
KM-19-SW	4.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.020 U	--	--	--
KM-19-WW	5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.020 U	--	--	--

TABLE 5-4

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1, 2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane	Ethylbenzene	Hexachlorobutadiene	Iodomethane	Isopropylbenzene	Methyl isobutyl ketone	Methyl t-butyl ether
Preliminary Screening Levels (mg/kg)			**0.03**	**0.05**	**2.8**	**0.002**	**1.14**	**--**	**0.01**	**--**	**0.002**	**--**	**700,000**	**4.6**	**0.005**	**--**	**350,000**	**280,000**	**0.11**
B7-Piping-B1	5.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--	0.62	--	--	--	--	--
B7-Piping-B2	5.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--	1.2	--	--	--	--	--
B7-Piping-B3	4.5	02/27/15	--	--	--	--	--	--	--	--	--	--	--	0.91	--	--	--	--	--
B7-Piping-B4	4.5	02/27/15	--	--	--	--	--	--	--	--	--	--	--	**11**	--	--	--	--	--
B7-Piping-B5	5.0	03/13/15	--	--	--	--	--	--	--	--	--	--	--	0.27	--	--	--	--	--
B7-Piping-S1	4.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--	0.17 U	--	--	--	--	--
B7-Piping-S1B	4.0	03/13/15	--	--	--	--	--	--	--	--	--	--	--	0.27	--	--	--	--	--
B7-Piping-S2	4.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--	**7.4**	--	--	--	--	--
B7-Piping-S3	3.5	02/27/15	--	--	--	--	--	--	--	--	--	--	--	0.96	--	--	--	--	--
B7-Piping-S4	3.5	02/27/15	--	--	--	--	--	--	--	--	--	--	--	1.4	--	--	--	--	--
B7-Trench-1	2.5	11/24/2009	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.5 U	1.1 U	5.5 U	1.1 U	1.1 U	1.1 U	1.8 J	5.5 U	5.5 U	1.4 J	5.5 U	1.1 U
B7-Trench-2	2.5	11/24/2009	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.2 U	1.2 U	6.2 U	1.2 U	1.2 U	1.2 U	**890**	6.2 U	6.2 U	20	25	1.2 U
B7-Trench-3	2.5	11/24/2009	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0058 U	0.0012 U	0.0058 U	0.0012 U	0.0012 U	0.0012 U	0.0022	0.0058 UJ	0.0058 U	0.0012 U	0.0058 U	0.0012 U
Containment-E-Wall	9.5	10/27/2009	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.33 U	0.065 U	0.33 U	0.065 U	0.065 U	0.065 U	0.5	0.33 U	0.33 U	1.5	0.33 U	0.065 U
Containment-N-Wall	9.5	10/27/2009	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.005 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.71	0.005 U	0.005 U	0.035	0.005 U	0.001 U
Containment-S-Wall	9.5	10/27/2009	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	6.7 U	1.3 U	6.7 U	1.3 U	1.3 U	1.3 U	**41**	6.7 U	6.7 U	1.3 U	6.7 U	1.3 U
Containment-W-Wall	9.5	10/28/2009	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0065 U	0.0013 U	0.0065 U	0.0013 U	0.0013 U	0.0013 U	0.072 J	0.0065 U	0.0065 U	0.044 J	0.0065 U	0.0013 U
E	6	3/18/1998	--	--	0.188	--	--	--	--	0.1 U	--	--	--	0.1 U	--	--	0.1 U	2 U	--
KM-1	1.5-2	8/5/2009	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0069 U	0.0014 U	0.0069 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0069 UJ	0.0069 U	0.0014 U	0.0069 U	0.0014 U
KM-2	1.5-2	8/5/2009	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0052 U	0.001 U	0.0052 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0052 U	0.0052 U	0.001 U	0.0052 U	0.001 U
KMW-04	2-2.5	3/17/2011	--	--	--	--	--	--	--	--	--	--	--	1.2	--	--	--	--	--
	4.5-5	3/17/2011	--	--	--	--	--	--	--	--	--	--	--	0.053 U	--	--	--	--	--
KM-5	2-2.5	8/7/2009	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0078 U	0.0016 U	0.0078 U	0.0016 U	0.0016 U	0.0016 U	0.0061	0.0078 U	0.0078 U	0.015	0.0078 U	0.0016 U
	6-6.5		0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.5 U	0.3 U	1.5 U	0.3 U	0.3 U	0.3 U	**23**	1.5 U	1.5 U	1.6	1.5 U	0.3 U
KM-6	1.5-2	8/7/2009	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.32 U	0.064 U	0.32 U	0.064 U	0.064 U	0.064 U	0.064 U	0.32 U	0.32 U	0.064 U	0.32 U	0.064 U
	4-4.2		0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.31 U	0.062 U	0.31 U	0.062 U	0.062 U	0.062 U	**8.3**	0.31 U	0.31 U	0.77	0.31 U	0.062 U
KM-7	1.8-2	8/7/2009	2 U	2 U	2 U	2 U	2 U	9.9 U	2 U	9.9 U	2 U	2 U	2 U	**57**	9.9 U	9.9 U	2 U	47	2 U
	6.8-7		0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.36 U	0.072 U	0.36 U	0.072 U	0.072 U	0.072 U	0.072 U	0.36 U	0.36 U	0.25	0.36 U	0.072 U
KM-8	1.8-2	8/7/2009	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.41 U	0.081 U	0.41 U	0.081 U	0.081 U	0.081 U	0.45	0.41 U	0.41 U	0.085	0.41 U	0.081 U
	6.8-7		2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	12 U	2.4 U	12 U	2.4 U	2.4 U	2.4 U	**330**	12 U	12 U	6.4	12 U	2.4 U
KM-9	1.5-2	8/5/2009	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0067 U	0.0013 U	0.0067 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0067 U	0.0067 U	0.0013 U	0.0067 U	0.0013 U
KM-10	1.2-1.5	8/6/2009	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	5.8 U	1.2 U	5.8 U	1.2 U	1.2 U	1.2 U	**440**	5.8 U	5.8 U	13	5.8 U	1.2 U
	5.2-5.5		0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	1.6 U	0.31 U	1.6 U	0.31 U	0.31 U	0.31 U	2.6	1.6 U	1.6 U	2.7	1.6 U	0.31 U
KM-11	1.8-2	8/6/2009	0.0018 UJ	0.0018 U	0.0018 U	0.0018 U	0.0018 UJ	0.0091 U	0.0018 U	0.0091 U	0.0018 UJ	0.0018 U	0.0018 U	0.0032 J	0.0091 UJ	0.0091 U	0.0018 UJ	0.0091 U	0.0018 U
	6.8-7		--	--	--	--	--	--	--	--	--	--	--	0.051 U	--	--	--	--	--
KM-12	1.8-2	8/7/2009	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.006 U	0.0012 U	0.006 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.006 U	0.006 U	0.0012 U	0.006 U	0.0012 U
KM-13	1.2-1.5	8/6/2009	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.0049 U	0.00097 U	0.0049 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.0049 U	0.0049 U	0.00097 U	0.0049 U	0.00097 U
KM-14	1.8-2	8/6/2009	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0051 U	0.001 U	0.0051 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0051 U	0.0051 U	0.001 U	0.0051 U	0.001 U
KM-15	3.8-4	8/6/2009	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0059 U	0.0012 U	0.0059 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0059 UJ	0.0059 U	0.0012 U	0.0059 U	0.0012 U
KM-16	3.8-4	8/6/2009	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0064 U	0.0013 U	0.0064 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0064 UJ	0.0064 U	0.0013 U	0.0064 U	0.0013 U
	7.8-8	8/6/2009	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.006 UJ	0.0012 UJ	0.006 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.006 UJ	0.006 UJ	0.0012 UJ	0.006 UJ	0.0012 UJ
KM-17	1.5-2	12/23/2009	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0058 U	0.0012 U	0.0058 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0058 U	0.0058 U	0.0012 U	0.0058 U	0.0012 U
	6.2-6.8	12/23/2009	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0077 U	0.0015 U	0.0077 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0077 U	0.0077 U	0.0015 U	0.0077 U	0.0015 U
KM-19	3.5-4	12/23/2009	0.087 U	0.087 U	0.087 U	0.087 U	0.087 U	0.43 U	0.087 U	0.43 U	0.087 U	0.087 U	0.087 U	0.087 U	0.43 U	0.43 U	0.087 U	0.43 U	0.087 U
	6-6.5	12/23/2009	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.6 U	0.33 U	1.6 U	0.33 U	0.33 U	0.33 U	0.33 U	1.6 U	1.6 U	22	1.6 U	0.33 U
KM-19-Bot	7	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	0.10 U	--	--	--	--	--
KM-19-EW	5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	0.045 U	--	--	--	--	--
KM-19-NW	4.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	0.039 U	--	--	--	--	--
KM-19-SW	4.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	0.040 U	--	--	--	--	--
KM-19-WW	5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	0.054 U	--	--	--	--	--

TABLE 5-4

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1, 2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	Methylene chloride	Naphthalene	n-Butylbenzene	n-Propylbenzene	m,p-Xylene	o-Xylene	Total xylenes	p-Isopropyltoluene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl acetate	Vinyl chloride
Preliminary Screening Levels (mg/kg)			**0.02**	**0.25**	**175,000**	**3.3**	**17**	**4**	**17**	**--**	**350,000**	**35.9**	**350,000**	**0.01**	**4.7**	**0.004**	**1,050,000**	**32**	**0.001**
B7-Piping-B1	5.0	02/27/15	--	--	--	--	3.8	1.4	5.2	--	--	--	--	--	0.14 U	--	--	--	--
B7-Piping-B2	5.0	02/27/15	--	--	--	--	8.9	**4.8**	13.7	--	--	--	--	--	0.098 U	--	--	--	--
B7-Piping-B3	4.5	02/27/15	--	--	--	--	15	**4.7**	**19.7**	--	--	--	--	--	0.10 U	--	--	--	--
B7-Piping-B4	4.5	02/27/15	--	--	--	--	**31**	**5.9**	**36.9**	--	--	--	--	--	**4.9**	--	--	--	--
B7-Piping-B5	5.0	03/13/15	--	--	--	--	1.4	0.12 U	1.52	--	--	--	--	--	0.12 U	--	--	--	--
B7-Piping-S1	4.0	02/27/15	--	--	--	--	0.64	0.17 U	0.81	--	--	--	--	--	0.17 U	--	--	--	--
B7-Piping-S1B	4.0	03/13/15	--	--	--	--	1.4	0.12 U	1.52	--	--	--	--	--	0.12 U	--	--	--	--
B7-Piping-S2	4.0	02/27/15	--	--	--	--	9.5	1.0	10.5	--	--	--	--	--	0.095 U	--	--	--	--
B7-Piping-S3	3.5	02/27/15	--	--	--	--	7.1	3.4	10.5	--	--	--	--	--	0.048 U	--	--	--	--
B7-Piping-S4	3.5	02/27/15	--	--	--	--	**30**	**7.6**	**37.6**	--	--	--	--	--	0.11 U	--	--	--	--
B7-Trench-1	2.5	11/24/2009	5.5 U	1.1 U	10 J	4.8 J	17 J	3.6 J	**20.6**	3 J	2.2 J	1.1 U	1.1 U	1.1 U	**11 J**	1.1 U	1.1 U	5.5 U	1.1 U
B7-Trench-2	2.5	11/24/2009	6.2 U	**17**	21	**28**	**4,400**	**1,100**	**5,500**	11	9.6	1.2 U	1.2 U	1.2 U	**140**	1.2 U	1.2 U	6.2 U	1.2 U
B7-Trench-3	2.5	11/24/2009	0.0058 U	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.021	0.008	0.029	0.0012 UJ	0.0012 UJ	0.0012 U	0.0012 UJ	0.0035	0.0058 U	0.0012 U	0.078	0.0058 U	0.0012 U
Containment-E-Wall	9.5	10/27/2009	0.33 U	0.075	0.52	2.2	1	0.065 U	1	0.065 U	0.38	0.065 U	0.065 U	0.065 U	0.33 U	0.065 U	0.065 U	0.33 U	0.065 U
Containment-N-Wall	9.5	10/27/2009	0.005 U	0.007	0.0054	0.061	0.99	0.21	1.2	0.0018	0.0058	0.001 U	0.001 U	0.001 U	0.059	0.001 U	0.001 U	0.005 U	0.001 U
Containment-S-Wall	9.5	10/27/2009	6.7 U	1.3 U	1.3 U	1.3 U	**150**	**28**	**178**	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	6.7 U	1.3 U	1.3 U	6.7 U	1.3 U
Containment-W-Wall	9.5	10/28/2009	0.0065 U	0.013 J	0.0013 U	0.047 J	0.25 J	0.11 J	0.36 J	0.004 J	0.017 J	0.0013 U	0.0022 J	0.0013 U	0.0065 U	0.0013 U	0.0013 U	0.0065 U	0.0013 U
E	6	3/18/1998	--	0.1 U	0.1 U	0.1 U	--	--	0.2 U	0.1 U	0.1 U	--	--	--	0.1 U	--	--	--	--
KM-1	1.5-2	8/5/2009	0.0069 U	0.0014 UJ	0.0014 UJ	0.0014 UJ	0.0028 U	0.0014 U	0.0028 U	0.0014 UJ	0.0014 UJ	0.0014 U	0.0014 UJ	0.0014 U	0.0069 U	0.0014 U	0.0014 U	0.0069 U	0.0014 U
KM-2	1.5-2	8/5/2009	0.0052 U	0.001 U	0.001 U	0.001 U	0.0021 U	0.001 U	0.0021	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0052 U	0.001 U	0.0036	0.0052 U	0.001 U
KMW-04	2-2.5	3/17/2011	--	--	--	--	0.65	0.085	0.735	--	--	--	--	--	0.079	--	--	--	--
	4.5-5	3/17/2011	--	--	--	--	0.053 U	0.053 U	0.053 U	--	--	--	--	--	0.053 U	--	--	--	--
KM-5	2-2.5	8/7/2009	0.0078 U	0.0038	0.0016 U	0.016	0.0031 U	0.0016 U	0.0031 U	0.0016 U	0.003	0.0016 U	0.0016 U	0.0016 U	0.0078 U	0.0016 U	0.0016 U	0.0078 U	0.0016 U
	6-6.5		1.5 U	0.3 U	0.55	1.7	0.59 U	0.3 U	0.59 U	0.3 U	0.36	0.3 U	0.3 U	0.3 U	1.5 U	0.3 U	0.3 U	1.5 U	0.3 U
KM-6	1.5-2	8/7/2009	0.32 U	0.064 U	0.064 U	0.064 U	0.13 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.32 U	0.064 U	0.064 U	0.32 U	0.064 U
	4-4.2		0.31 U	0.21	0.062 U	0.9	11	1.8	12.8	0.088	0.14	0.062 U	0.062 U	0.062 U	0.33	0.062 U	0.062 U	0.31 U	0.062 U
KM-7	1.8-2	8/7/2009	9.9 U	2 U	2 U	2 U	**210**	**59**	**269**	2 U	2 U	2 U	2 U	2 U	**1,200**	2 U	2 U	9.9 U	2 U
	6.8-7		0.36 U	0.072 U	0.19	0.4	0.14 U	0.072 U	0.14 U	0.072 U	0.12	0.072 U	0.072 U	0.072 U	0.36 U	0.072 U	0.072 U	0.36 U	0.072 U
KM-8	1.8-2	8/7/2009	0.41 U	0.14	0.081 U	0.081 U	7.4	0.081 U	7.4	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.41 U	0.081 U	0.081 U	0.41 U	0.081 U
	6.8-7		12 U	2.4 U	2.4 U	**7.5**	**590**	2.4 U	**590**	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	12 U	2.4 U	2.4 U	12 U	2.4 U
KM-9	1.5-2	8/5/2009	0.0067 U	0.0013 U	0.0013 U	0.0013 U	0.0027 U	0.0013 U	0.0027 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0067 U	0.0013 U	0.0026	0.0067 U	0.0013 U
KM-10	1.2-1.5	8/6/2009	5.8 U	**150**	13	**17**	**2,400**	**660**	**3,060**	9.7	7.3	1.2 U	1.2 U	1.2 U	**37**	1.2 U	1.2 U	5.8 U	1.2 U
	5.2-5.5		1.6 U	**1.9**	1.8	**3.6**	11	2.7	13.7	0.31 U	1.1	0.31 U	0.31 U	0.31 U	1.6 U	0.31 U	0.31 U	1.6 U	0.31 U
KM-11	1.8-2	8/6/2009	0.0091 U	0.0018 UJ	0.0018 UJ	0.0018 UJ	0.021 J	0.0056 J	0.027 J	0.006 J	0.0079 J	0.0018 UJ	0.0072 J	0.0018 UJ	0.0091 U	0.0018 U	0.0042	0.0091 U	0.0018 U
	6.8-7		--	--	--	--	0.051 U	0.051 U	0.051 U	--	--	--	--	--	0.051 U	--	--	--	--
KM-12	1.8-2	8/7/2009	0.006 U	0.0012 U	0.0012 U	0.0012 U	0.0024 U	0.0012 U	0.0024 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.006 U	0.0012 U	0.0012 U	0.006 U	0.0012 U
KM-13	1.2-1.5	8/6/2009	0.0049 U	0.00097 U	0.00097 U	0.00097 U	0.0019 U	0.00097 U	0.0019 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.0049 U	0.00097 U	0.00097 U	0.0049 U	0.00097 U
KM-14	1.8-2	8/6/2009	0.0051 U	0.001 U	0.001 U	0.001 U	0.002 U	0.001 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0051 U	0.001 U	0.0021	0.0051 U	0.001 U
KM-15	3.8-4	8/6/2009	0.0059 U	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0024 U	0.0012 U	0.0024 U	0.0012 UJ	0.0012 UJ	0.0012 U	0.0012 UJ	0.0043	0.0059 U	0.0012 U	0.0024	0.0059 U	0.0012 U
KM-16	3.8-4	8/6/2009	0.0064 U	0.0013 UJ	0.0013 UJ	0.0013 UJ	0.0026 U	0.0013 U	0.0026 U	0.0013 UJ	0.0013 UJ	0.0013 U	0.0013 UJ	0.0013 U	0.0064 U	**0.011**	0.002	0.0064 U	0.0013 U
	7.8-8	8/6/2009	0.006 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0024 UJ	0.0012 UJ	0.0024 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.006 UJ	0.0012 UJ	0.0012 UJ	0.006 UJ	0.0012 UJ
KM-17	1.5-2	12/23/2009	0.0058 U	0.0012 U	0.0012 U	0.0012 U	0.0023 U	0.0012 U	0.0023 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0058 U	0.0012 U	0.0012 U	0.0058 U	0.0058 U
	6.2-6.8	12/23/2009	0.0077 U	0.0015 U	0.0015 U	0.0015 U	0.0031 U	0.0015 U	0.0031 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0077 U	0.0015 U	0.0015 U	0.0077 U	0.0077 U
KM-19	3.5-4	12/23/2009	0.43 U	0.087 U	0.087 U	0.087 U	0.17 U	0.087 U	0.17 U	0.087 U	0.087 U	0.087 U	0.087 U	0.087 U	0.43 U	0.087 U	0.087 U	0.43 U	0.43 U
	6-6.5	12/23/2009	1.6 U	0.33 U	29	**57**	0.66 U	0.33 U	0.66 U	0.33 U	38	0.33 U	2	0.33 U	1.6 U	0.33 U	0.33 U	1.6 U	1.6 U
KM-19-Bot	7	2/26/2015	--	--	--	--	0.44	0.10 U	0.44	--	--	--	--	--	0.10 U	--	--	--	--
KM-19-EW	5	2/26/2015	--	--	--	--	0.08	0.045 U	0.08	--	--	--	--	--	0.045 U	--	--	--	--
KM-19-NW	4.5	2/26/2015	--	--	--	--	0.10	0.039 U	0.1	--	--	--	--	--	0.039 U	--	--	--	--
KM-19-SW	4.5	2/26/2015	--	--	--	--	0.059	0.040 U	0.059	--	--	--	--	--	0.040 U	--	--	--	--
KM-19-WW	5	2/26/2015	--	--	--	--	0.054 U	0.054 U	0.054 U	--	--	--	--	--	0.054 U	--	--	--	--

TABLE 5-4

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1, 2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	*cis*-1,2-Dichloroethene	*cis*-1,3-Dichloropropene	*trans*-1,2-Dichloroethene	*trans*-1,3-Dichloropropene	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane
Preliminary Screening Levels (mg/kg)			**0.08**	**--**	**0.87**	**--**	**5,048**	**41.5**	**0.001**	**0.003**	**0.04**	**0.001**	**--**	**--**	**4.4**	**0.1**	**--**	**164**	**66**
KM-20	1-1.2	12/23/2009	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0061 U	0.0012 U
	6.5-7	12/23/2009	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.006 U	0.0012 U
KM-22	6.5-7	8/23/2010	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.024 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.1	0.0059 U	0.0012 U
	12.5-13		0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.12	0.34 U	0.067 U
KM-23	7.5-8	8/23/2010	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.006 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0061 U	0.0012 U
	10.5-11		0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0057 U	0.0011 U
KM-24	7.5-8	8/23/2010	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0061 U	0.0012 U
	10.5-11		0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.006 U	0.0012 U
KM-25	10.5-11	8/23/2010	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0051 U	0.001 U
KM-26	8-8.5	8/23/2010	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0072 U	0.0014 U
	11-11.5		0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0061 U	0.0012 U
KM-27	8-8.5	8/24/2010	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0059 U	0.0012 U
	10.5-11		0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0066 U	0.0013 U
KM-28	8.5-9	8/24/2010	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0062 U	0.0012 U
	10.5-11		0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0057 U	0.0011 U
KM-29	7.5-8	8/24/2010	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0063 U	0.0013 U
	10.5-11		0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0064 U	0.0013 U
KM-30	2-2.5	3/23/2011	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.27 U	0.055 U
	4.75-5.25	3/23/2011	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	2.4 U	0.48 U
KM-30-Bot	5.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-30-EW	4	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-30-NW	4	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-30-SW	5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-30-WW	4	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-31	2.5-3	3/22/2011	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0055 U	0.0011 U
KM-32	2.5-3	3/22/2011	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.005 U	0.001 U
KM-33	4-4.5	3/22/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-34	2-2.5	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4-4.5		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-35	2-2.5	3/22/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6.5-7		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-36	2-2.5	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6-6.5		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-37	2-2.5	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5-5.5		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-39	2-2.75	3/24/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2-2.75 (FD)		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4.5-5		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-39-B1	4.5	03/15/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-39-EW	3.5	03/15/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-39-NW	3.5	03/15/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-39-SW	3.5	03/15/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-39-WW	3.5	03/15/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-40	1.5-2	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4-4.5		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 5-4

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1, 2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone	2-Chloroethyl vinyl ether	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane
Preliminary Screening Levels (mg/kg)			**4.9**	**0.002**	**0.003**	**35,000**	**--**	**1,313**	**0.08**	**--**	**2,100,000**	**--**	**--**	**--**	**--**	**29**	**0.004**	**--**	**--**	**0.001**
KM-20	1-1.2	12/23/2009	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0061 U	0.0061 U	0.0012 U	0.0061 U	0.0012 U	0.0061 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
	6.5-7	12/23/2009	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.006 U	0.006 U	0.0012 U	0.006 U	0.0012 U	0.006 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
KM-22	6.5-7	8/23/2010	0.0012 U	0.0012 U	0.0012 U	0.045	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.023	0.0059 U	0.0012 U	0.0059 U	0.0012 U	0.16	0.0015	0.0012 U	0.0012 U	0.0012 U
	12.5-13		0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.34 U	0.34 U	0.067 U	0.34 U	0.067 U	0.34 U	0.067 U	0.067 U	0.067 U	0.067 U
KM-23	7.5-8	8/23/2010	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.012	0.0061 U	0.0012 U	0.0061 U	0.0012 U	0.067	0.0012 U	0.0012 U	0.0012 U	0.0012 U
	10.5-11		0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0057 U	0.0057 U	0.0011 U	0.0057 U	0.0011 U	0.041	0.0011 U	0.0011 U	0.0011 U	0.0011 U
KM-24	7.5-8	8/23/2010	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0061 U	0.0061 U	0.0012 U	0.0061 U	0.0012 U	0.0061 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
	10.5-11		0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.006 U	0.006 U	0.0012 U	0.006 U	0.0012 U	0.006 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
KM-25	10.5-11	8/23/2010	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0088	0.0051 U	0.001 U	0.0051 U	0.001 U	0.058	0.001 U	0.001 U	0.001 U	0.001 U
KM-26	8-8.5	8/23/2010	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0072 U	0.0072 U	0.0014 U	0.0072 U	0.0014 U	0.0072 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U
	11-11.5		0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0061 U	0.0061 U	0.0012 U	0.0061 U	0.0012 U	0.0061 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
KM-27	8-8.5	8/24/2010	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.019	0.0059 U	0.0012 U	0.0059 U	0.0012 U	0.12	0.0012 U	0.0012 U	0.0012 U	0.0012 U
	10.5-11		0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0066 U	0.0066 U	0.0013 U	0.0066 U	0.0013 U	0.028	0.0013 U	0.0013 U	0.0013 U	0.0013 U
KM-28	8.5-9	8/24/2010	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0092	0.0062 U	0.0012 U	0.0062 U	0.0012 U	0.041	0.0012 U	0.0012 U	0.0012 U	0.0012 U
	10.5-11		0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0057 U	0.0057 U	0.0011 U	0.0057 U	0.0011 U	0.0057 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
KM-29	7.5-8	8/24/2010	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0063 U	0.0063 U	0.0013 U	0.0063 U	0.0013 U	0.0063 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U
	10.5-11		0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0064 U	0.0064 U	0.0013 U	0.0064 U	0.0013 U	0.0064 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U
KM-30	2-2.5	3/23/2011	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.27 U	0.27 U	0.055 U	0.27 U	0.055 U	0.27 U	0.055 U	0.055 U	0.055 U	0.055 U
	4.75-5.25	3/23/2011	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	2.4 U	2.4 U	0.48 U	2.4 U	0.48 U	2.4 U	0.48 U	0.48 U	0.48 U	0.48 U
KM-30-Bot	5.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.16**	--	--	--
KM-30-EW	4	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.17**	--	--	--
KM-30-NW	4	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.020 U	--	--	--
KM-30-SW	5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.13**	--	--	--
KM-30-WW	4	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.18**	--	--	--
KM-31	2.5-3	3/22/2011	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0055 U	0.0055 U	0.0011 U	0.0055 U	0.0011 U	0.0055 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
KM-32	2.5-3	3/22/2011	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.005 U	0.005 U	0.001 U	0.005 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U
KM-33	4-4.5	3/22/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.076 U	--	--	--
KM-34	2-2.5	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.02 U	--	--	--
	4-4.5		--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.02 U	--	--	--
KM-35	2-2.5	3/22/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.02 U	--	--	--
	6.5-7		--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.02 U	--	--	--
KM-36	2-2.5	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**1.9**	--	--	--
	6-6.5		--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.065**	--	--	--
KM-37	2-2.5	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.098**	--	--	--
	5-5.5		--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.077**	--	--	--
KM-39	2-2.75	3/24/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.53**	--	--	--
	2-2.75 (FD)		--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.47**	--	--	--
	4.5-5		--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.021 U	--	--	--
KM-39-B1	4.5	03/15/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.048**	--	--	--
KM-39-EW	3.5	03/15/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.48**	--	--	--
KM-39-NW	3.5	03/15/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.020 U	--	--	--
KM-39-SW	3.5	03/15/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.020 U	--	--	--
KM-39-WW	3.5	03/15/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.24**	--	--	--
KM-40	1.5-2	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.58**	--	--	--
	4-4.5		--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.3**	--	--	--

TABLE 5-4

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1, 2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane	Ethylbenzene	Hexachlorobutadiene	Iodomethane	Isopropylbenzene	Methyl isobutyl ketone	Methyl t-butyl ether
Preliminary Screening Levels (mg/kg)			**0.03**	**0.05**	**2.8**	**0.002**	**1.14**	**--**	**0.01**	**--**	**0.002**	**--**	**700,000**	**4.6**	**0.005**	**--**	**350,000**	**280,000**	**0.11**
KM-20	1-1.2	12/23/2009	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0061 U	0.0012 U	0.0061 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0061 U	0.0061 U	0.0012 U	0.0061 U	0.0012 U
	6.5-7	12/23/2009	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.006 U	0.0012 U	0.006 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.006 U	0.006 U	0.0012 U	0.006 U	0.0012 U
KM-22	6.5-7	8/23/2010	0.0012 U	0.0012 U	0.0071	0.0012 U	0.0012 U	0.0059 U	0.0012 U	0.0059 U	0.0012 U	0.0012 U	0.0012 U	0.18	0.0059 U	0.0059 U	0.22	0.0059 U	0.0012 U
	12.5-13		0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.34 U	0.067 U	0.34 U	0.067 U	0.067 U	0.067 U	1.9	0.34 U	0.34 U	0.067 U	0.34 U	0.067 U
KM-23	7.5-8	8/23/2010	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0061 U	0.0012 U	0.0061 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0061 U	0.0061 U	0.031	0.0061 U	0.0012 U
	10.5-11		0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0057 U	0.0011 U	0.0057 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0057 U	0.0057 U	0.15	0.0057 U	0.0011 U
KM-24	7.5-8	8/23/2010	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0061 U	0.0012 U	0.0061 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0061 U	0.0061 U	0.0012 U	0.0061 U	0.0012 U
	10.5-11		0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.006 U	0.0012 U	0.006 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.006 U	0.006 U	0.0012 U	0.006 U	0.0012 U
KM-25	10.5-11	8/23/2010	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0051 U	0.001 U	0.0051 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0051 U	0.0051 U	0.001 U	0.0051 U	0.001 U
KM-26	8-8.5	8/23/2010	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0072 U	0.0014 U	0.0072 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0072 U	0.0072 U	0.0014 U	0.0072 U	0.0014 U
	11-11.5		0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0061 U	0.0012 U	0.0061 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0061 U	0.0061 U	0.0012 U	0.0061 U	0.0012 U
KM-27	8-8.5	8/24/2010	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0059 U	0.0012 U	0.0059 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0059 U	0.0059 U	0.0012 U	0.0059 U	0.0012 U
	10.5-11		0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0066 U	0.0013 U	0.0066 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0066 U	0.0066 U	0.0013 U	0.0066 U	0.0013 U
KM-28	8.5-9	8/24/2010	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0062 U	0.0012 U	0.0062 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0062 U	0.0062 U	0.0012 U	0.0062 U	0.0012 U
	10.5-11		0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0057 U	0.0011 U	0.0057 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0057 U	0.0057 U	0.0011 U	0.0057 U	0.0011 U
KM-29	7.5-8	8/24/2010	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0063 U	0.0013 U	0.0063 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0063 U	0.0063 U	0.0013 U	0.0063 U	0.0013 U
	10.5-11		0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0064 U	0.0013 U	0.0064 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0064 U	0.0064 U	0.0013 U	0.0064 U	0.0013 U
KM-30	2-2.5	3/23/2011	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.27 U	0.055 U	0.27 U	0.055 U	0.055 U	0.055 U	0.055 U	0.27 U	0.27 U	0.055 U	0.27 U	0.055 U
	4.75-5.25	3/23/2011	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	2.4 U	0.48 U	2.4 U	0.48 U	0.48 U	0.48 U	0.48 U	2.4 U	2.4 U	4.2	2.4 U	0.48 U
KM-30-Bot	5.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	0.91	--	--	--	--	--
KM-30-EW	4	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	1.3	--	--	--	--	--
KM-30-NW	4	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	0.051 U	--	--	--	--	--
KM-30-SW	5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	0.93	--	--	--	--	--
KM-30-WW	4	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	1.0	--	--	--	--	--
KM-31	2.5-3	3/22/2011	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0055 U	0.0011 U	0.0055 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0055 U	0.0055 U	0.0011 U	0.0055 U	0.0011 U
KM-32	2.5-3	3/22/2011	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.005 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.005 U	0.005 U	0.001 U	0.005 U	0.001 U
KM-33	4-4.5	3/22/2011	--	--	--	--	--	--	--	--	--	--	--	0.38 U	--	--	--	--	--
KM-34	2-2.5	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	0.054 U	--	--	--	--	--
	4-4.5		--	--	--	--	--	--	--	--	--	--	--	0.052 U	--	--	--	--	--
KM-35	2-2.5	3/22/2011	--	--	--	--	--	--	--	--	--	--	--	0.04 U	--	--	--	--	--
	6.5-7		--	--	--	--	--	--	--	--	--	--	--	0.051 U	--	--	--	--	--
KM-36	2-2.5	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	0.32	--	--	--	--	--
	6-6.5		--	--	--	--	--	--	--	--	--	--	--	0.061 U	--	--	--	--	--
KM-37	2-2.5	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	0.083 U	--	--	--	--	--
	5-5.5		--	--	--	--	--	--	--	--	--	--	--	0.13 U	--	--	--	--	--
KM-39	2-2.75	3/24/2011	--	--	--	--	--	--	--	--	--	--	--	**26**	--	--	--	--	--
	2-2.75 (FD)		--	--	--	--	--	--	--	--	--	--	--	**20**	--	--	--	--	--
	4.5-5		--	--	--	--	--	--	--	--	--	--	--	0.11 U	--	--	--	--	--
KM-39-B1	4.5	03/15/15	--	--	--	--	--	--	--	--	--	--	--	0.3	--	--	--	--	--
KM-39-EW	3.5	03/15/15	--	--	--	--	--	--	--	--	--	--	--	**13**	--	--	--	--	--
KM-39-NW	3.5	03/15/15	--	--	--	--	--	--	--	--	--	--	--	0.072 U	--	--	--	--	--
KM-39-SW	3.5	03/15/15	--	--	--	--	--	--	--	--	--	--	--	0.088 U	--	--	--	--	--
KM-39-WW	3.5	03/15/15	--	--	--	--	--	--	--	--	--	--	--	0.64	--	--	--	--	--
KM-40	1.5-2	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	**7.1**	--	--	--	--	--
	4-4.5		--	--	--	--	--	--	--	--	--	--	--	2.7	--	--	--	--	--

TABLE 5-4

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1, 2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	Methylene chloride	Naphthalene	n-Butylbenzene	n-Propylbenzene	m,p-Xylene	o-Xylene	Total xylenes	p-Isopropyltoluene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl acetate	Vinyl chloride
Preliminary Screening Levels (mg/kg)			**0.02**	**0.25**	**175,000**	**3.3**	**17**	**4**	**17**	**--**	**350,000**	**35.9**	**350,000**	**0.01**	**4.7**	**0.004**	**1,050,000**	**32**	**0.001**
KM-20	1-1.2	12/23/2009	0.0061 U	0.0012 U	0.0012 U	0.0012 U	0.0025 U	0.0012 U	0.0025 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0061 U	0.0012 U	0.0012 U	0.0061 U	0.0061 U
	6.5-7	12/23/2009	0.006 U	0.0012 U	0.0012 U	0.0012 U	0.0024 U	0.0012 U	0.0024 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.006 U	0.0012 U	0.0012 U	0.006 U	0.006 U
KM-22	6.5-7	8/23/2010	0.0059 U	0.0012 U	0.0051	1.4	2.3	0.0088	2.31	0.0068	0.023	0.0012 U	0.0026	0.0012 U	0.0059 U	0.0012 U	0.0012 U	0.0059 U	0.0012 U
	12.5-13		0.34 U	0.067 U	0.067 U	0.067 U	6.4	2.5	8.9	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.34 U	0.067 U	0.067 U	0.34 U	0.067 U
KM-23	7.5-8	8/23/2010	0.0061 U	0.0012 U	0.0028	0.043	0.0024 U	0.0012 U	0.0024 U	0.0012 U	0.0065	0.0012 U	0.0012 U	0.0012 U	0.0061 U	0.0012 U	0.0012 U	0.0061 U	0.0012 U
	10.5-11		0.0057 U	0.0011 U	0.016	0.19	0.0023 U	0.0011 U	0.0023 U	0.0011 U	0.025	0.0011 U	0.0027	0.0011 U	0.0057 U	0.0011 U	0.0011 U	0.0057 U	0.0011 U
KM-24	7.5-8	8/23/2010	0.0061 U	0.0012 U	0.0012 U	0.0012 U	0.0025 U	0.0012 U	0.0025 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0061 U	0.0012 U	0.0012 U	0.0061 U	0.0012 U
	10.5-11		0.006 U	0.0012 U	0.0012 U	0.0012 U	0.0024 U	0.0012 U	0.0024 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.006 U	0.0012 U	0.0012 U	0.006 U	0.0012 U
KM-25	10.5-11	8/23/2010	0.0051 U	0.0021	0.001 U	0.001 U	0.0053	0.0022	0.0075	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0051 U	0.001 U	0.001 U	0.0051 U	0.001 U
KM-26	8-8.5	8/23/2010	0.0072 U	0.0014 U	0.0014 U	0.0014 U	0.0029 U	0.0014 U	0.0029 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0072 U	0.0014 U	0.0014 U	0.0072 U	0.0014 U
	11-11.5		0.0061 U	0.0012 U	0.0012 U	0.0012 U	0.0024 U	0.0012 U	0.0024 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0061 U	0.0012 U	0.0012 U	0.0061 U	0.0012 U
KM-27	8-8.5	8/24/2010	0.0059 U	0.0012 U	0.0012 U	0.0012 U	0.0024 U	0.0012 U	0.0024 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0059 U	0.0012 U	0.0012 U	0.0059 U	0.0012 U
	10.5-11		0.0066 U	0.0013 U	0.0013 U	0.0013 U	0.0026 U	0.0013 U	0.0026 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0066 U	0.0013 U	0.0013 U	0.0066 U	0.0013 U
KM-28	8.5-9	8/24/2010	0.013	0.0012 U	0.0012 U	0.0012 U	0.0025 U	0.0012 U	0.0025 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0062 U	0.0012 U	0.0012 U	0.0062 U	0.0012 U
	10.5-11		0.0057 U	0.0011 U	0.0011 U	0.0011 U	0.0023 U	0.0011 U	0.0023 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0057 U	0.0011 U	0.0011 U	0.0057 U	0.0011 U
KM-29	7.5-8	8/24/2010	0.0063 U	0.0013 U	0.0013 U	0.0013 U	0.0025 U	0.0013 U	0.0025 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0063 U	0.0013 U	0.0013 U	0.0063 U	0.0013 U
	10.5-11		0.0064 U	0.0013 U	0.0013 U	0.0013 U	0.0026 U	0.0013 U	0.0026 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0064 U	0.0013 U	0.0013 U	0.0064 U	0.0013 U
KM-30	2-2.5	3/23/2011	0.27 U	0.19	0.11	0.055 U	0.11 U	0.055 U	0.11 U	0.055 U	0.12	0.055 U	0.055 U	0.055 U	0.27 U	0.055 U	0.055 U	0.27 U	0.055 U
	4.75-5.25	3/23/2011	2.4 U	0.48 U	7	**6.7**	0.95 U	0.48 U	0.95 U	0.48 U	14	0.48 U	0.86	0.48 U	2.4 U	0.48 U	0.48 U	2.4 U	0.48 U
KM-30-Bot	5.5	2/26/2015	--	--	--	--	7.4	1.2 U	7.4	--	--	--	--	--	0.12 U	--	--	--	--
KM-30-EW	4	2/26/2015	--	--	--	--	9.8	2.0 U	9.8	--	--	--	--	--	0.10 U	--	--	--	--
KM-30-NW	4	2/26/2015	--	--	--	--	0.19	0.051 U	0.19	--	--	--	--	--	0.051 U	--	--	--	--
KM-30-SW	5	2/26/2015	--	--	--	--	8.4	1.1 U	8.4	--	--	--	--	--	0.11 U	--	--	--	--
KM-30-WW	4	2/26/2015	--	--	--	--	8.5	1.2 U	8.5	--	--	--	--	--	0.12 U	--	--	--	--
KM-31	2.5-3	3/22/2011	0.0055 U	0.0011 U	0.0011 U	0.0011 U	0.0022 U	0.0011 U	0.0022 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0055 U	0.0011 U	0.0011 U	0.0055 U	0.0011 U
KM-32	2.5-3	3/22/2011	0.005 U	0.001 U	0.001 U	0.001 U	0.002 U	0.001 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0016	0.005 U	0.001 U	0.001 U	0.005 U	0.001 U
KM-33	4-4.5	3/22/2011	--	--	--	--	1.9 U	1.9 U	1.9 U	--	--	--	--	--	0.38 U	--	--	--	--
KM-34	2-2.5	3/21/2011	--	--	--	--	0.054 U	0.054 U	0.054 U	--	--	--	--	--	0.054 U	--	--	--	--
	4-4.5		--	--	--	--	0.052 U	0.052 U	0.052 U	--	--	--	--	--	0.052 U	--	--	--	--
KM-35	2-2.5	3/22/2011	--	--	--	--	0.04 U	0.04 U	0.04 U	--	--	--	--	--	0.04 U	--	--	--	--
	6.5-7		--	--	--	--	0.051 U	0.051 U	0.051 U	--	--	--	--	--	0.051 U	--	--	--	--
KM-36	2-2.5	3/21/2011	--	--	--	--	3.2	0.31 U	3.2	--	--	--	--	--	0.53	--	--	--	--
	6-6.5		--	--	--	--	0.2	0.31 U	0.2	--	--	--	--	--	0.061 U	--	--	--	--
KM-37	2-2.5	3/21/2011	--	--	--	--	0.35	0.083 U	0.35	--	--	--	--	--	0.083 U	--	--	--	--
	5-5.5		--	--	--	--	0.23	0.13 U	0.23	--	--	--	--	--	0.13 U	--	--	--	--
KM-39	2-2.75	3/24/2011	--	--	--	--	**49**	3.3 U	**49**	--	--	--	--	--	**4.8**	--	--	--	--
	2-2.75 (FD)		--	--	--	--	**42**	3.1 U	**42**	--	--	--	--	--	**4.9**	--	--	--	--
	4.5-5		--	--	--	--	1.3	0.55 U	1.3	--	--	--	--	--	0.11 U	--	--	--	--
KM-39-B1	4.5	03/15/15	--	--	--	--	2.5	0.60 U	2.5	--	--	--	--	--	0.12 U	--	--	--	--
KM-39-EW	3.5	03/15/15	--	--	--	--	**24**	3.9	**27.9**	--	--	--	--	--	0.19	--	--	--	--
KM-39-NW	3.5	03/15/15	--	--	--	--	0.072 U	0.072 U	0.072 U	--	--	--	--	--	0.072 U	--	--	--	--
KM-39-SW	3.5	03/15/15	--	--	--	--	0.33	0.088 U	0.33	--	--	--	--	--	0.088 U	--	--	--	--
KM-39-WW	3.5	03/15/15	--	--	--	--	5.9	1.2 U	5.9	--	--	--	--	--	0.23 U	--	--	--	--
KM-40	1.5-2	3/21/2011	--	--	--	--	**25**	0.22	**25.22**	--	--	--	--	--	0.56	--	--	--	--
	4-4.5		--	--	--	--	9.1	0.33	9.43	--	--	--	--	--	1.8	--	--	--	--

TABLE 5-4

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1, 2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	*c/s*-1,2-Dichloroethene	*c/s*-1,3-Dichloropropene	*trans*-1,2-Dichloroethene	*trans*-1,3-Dichloropropene	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane
Preliminary Screening Levels (mg/kg)			**0.08**	**--**	**0.87**	**--**	**5,048**	**41.5**	**0.001**	**0.003**	**0.04**	**0.001**	**--**	**--**	**4.4**	**0.1**	**--**	**164**	**66**
KM-41	2.75-3.25	3/24/2011	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	11	2.8 U	0.56 U
	4.25-4.75		0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	2.5	2.2 U	0.43 U
KM-41-B1	6.0	03/06/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-41-EW	4.0	03/06/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-41-NW	4.0	03/06/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-41-SW	4.0	03/06/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-41-WW	4.0	03/06/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-R01	2	10/15/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-R02	5	10/15/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-R03	2	10/16/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-R04	6	10/16/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-R05	2	10/19/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-R06	6.5	10/19/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-R07	2	10/20/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-R08	5	10/20/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-R09	2	10/20/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-R10	5	10/20/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-R11	2	10/21/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-R12	5	10/21/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-R13	3	11/3/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NE	6	3/18/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.1 U	--	--
Pipe-1	5.5	10/28/2009	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0097 U	0.0019 U
Pipe-C1	5.5	11/17/2009	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0054 U	0.0011 U
Product-E1-Wall	9	10/22/2009	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0052 U	0.001 U
Product-E2-Wall	9	10/22/2009	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0055 U	0.0011 U
Product-N-Wall	9	10/22/2009	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.37 U	0.074 U
Product-S-Wall	9	10/20/2009	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0069 U	0.0014 U
Product-W1b-Wall	9.5	11/13/2009	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.042	0.0057 U	0.0011 U
Product-W2b-Wall	9.5	11/13/2009	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.12	0.3 U	0.059 U
SE	6	3/18/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.1 U	--	--
Tank-1-B	9.5	10/27/2009	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0062 U	0.0012 U
Tank-2-B	9.5	10/27/2009	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.11	0.0066 U	0.0013 U
Tank-3-B	9.5	10/20/2009	0.00096 U	0.00096 U	0.00096 U	0.00096 U	0.00096 U	0.00096 U	0.00096 U	0.00096 U	0.00096 U	0.00096 U	0.00096 U	0.00096 U	0.00096 U	0.00096 U	0.00096 U	0.0048 U	0.00096 U

TABLE 5-4

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1, 2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone	2-Chloroethyl vinyl ether	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane
Preliminary Screening Levels (mg/kg)			**4.9**	**0.002**	**0.003**	**35,000**	**--**	**1,313**	**0.08**	**--**	**2,100,000**	**--**	**--**	**--**	**--**	**29**	**0.004**	**--**	**--**	**0.001**
KM-41	2.75-3.25	3/24/2011	0.56 U	0.56 U	0.56 U	8	0.56 U	0.56 U	0.56 U	0.56 U	2.8 U	2.8 U	0.56 U	2.8 U	0.56 U	2.8 U	0.56 U	0.56 U	0.56 U	0.56 U
	4.25-4.75		0.43 U	0.43 U	0.43 U	1.2	0.43 U	0.43 U	0.43 U	0.43 U	2.2 U	2.2 U	0.43 U	2.2 U	0.43 U	2.2 U	0.43 U	0.43 U	0.43 U	0.43 U
KM-41-B1	6.0	03/06/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.020 U	--	--	--
KM-41-EW	4.0	03/06/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.020 U	--	--	--
KM-41-NW	4.0	03/06/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.020 U	--	--	--
KM-41-SW	4.0	03/06/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.021**	--	--	--
KM-41-WW	4.0	03/06/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.020 U	--	--	--
KM-R01	2	10/15/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.076**	--	--	--
KM-R02	5	10/15/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.020 U	--	--	--
KM-R03	2	10/16/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.020 U	--	--	--
KM-R04	6	10/16/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.23**	--	--	--
KM-R05	2	10/19/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.031**	--	--	--
KM-R06	6.5	10/19/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.099**	--	--	--
KM-R07	2	10/20/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.020 U	--	--	--
KM-R08	5	10/20/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.18**	--	--	--
KM-R09	2	10/20/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.020 U	--	--	--
KM-R10	5	10/20/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.020 U	--	--	--
KM-R11	2	10/21/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.020 U	--	--	--
KM-R12	5	10/21/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.075**	--	--	--
KM-R13	3	11/3/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.020 U	--	--	--
NE	6	3/18/1998	--	--	--	0.4 U	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
Pipe-1	5.5	10/28/2009	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0097 U	0.0097 U	0.0019 U	0.0097 U	0.0019 U	0.0097 U	0.0036	0.0019 U	0.0019 U	0.0019 U
Pipe-C1	5.5	11/17/2009	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.006	0.0054 U	0.0011 U	0.0054 U	0.0011 U	0.036	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Product-E1-Wall	9	10/22/2009	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0052 U	0.0052 U	0.001 U	0.0052 U	0.001 U	0.0092	0.001 U	0.001 U	0.001 U	0.001 U
Product-E2-Wall	9	10/22/2009	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0055 U	0.0055 U	0.0011 U	0.0055 U	0.0011 U	0.0089	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Product-N-Wall	9	10/22/2009	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.37 U	0.37 U	0.074 U	0.37 U	0.074 U	0.37 U	0.074 U	0.074 U	0.074 U	0.074 U
Product-S-Wall	9	10/20/2009	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0069 U	0.0069 U	0.0014 U	0.0069 U	0.0014 U	0.032	0.0014 U	0.0014 U	0.0014 U	0.0014 U
Product-W1b-Wall	9.5	11/13/2009	0.0011 U	0.0011 U	0.0011 U	0.018	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.033	0.0057 U	0.0011 U	0.0057 U	0.0011 U	0.21	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Product-W2b-Wall	9.5	11/13/2009	0.059 U	0.059 U	0.059 U	0.071	0.059 U	0.059 U	0.059 U	0.059 U	0.3 U	0.3 U	0.059 U	0.3 U	0.059 U	0.3 U	0.059 U	0.059 U	0.059 U	0.059 U
SE	6	3/18/1998	--	--	--	0.4 U	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
Tank-1-B	9.5	10/27/2009	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0062 U	0.0062 U	0.0012 U	0.0062 U	0.0012 U	0.028	0.0012 U	0.0012 U	0.0012 U	0.0012 U
Tank-2-B	9.5	10/27/2009	0.0013 U	0.0013 U	0.0013 U	0.13	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0066 U	0.0066 U	0.0013 U	0.0066 U	0.0013 U	0.055	0.0013 U	0.0013 U	0.0013 U	0.0013 U
Tank-3-B	9.5	10/20/2009	0.00096 U	0.00096 U	0.00096 U	0.00096 U	0.00096 U	0.00096 U	0.00096 U	0.00096 U	0.0048 U	0.0048 U	0.00096 U	0.0048 U	0.00096 U	0.014	0.00096 U	0.00096 U	0.00096 U	0.00096 U

TABLE 5-4

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1, 2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane	Ethylbenzene	Hexachlorobutadiene	Iodomethane	Isopropylbenzene	Methyl isobutyl ketone	Methyl t-butyl ether
Preliminary Screening Levels (mg/kg)			**0.03**	**0.05**	**2.8**	**0.002**	**1.14**	**--**	**0.01**	**--**	**0.002**	**--**	**700,000**	**4.6**	**0.005**	**--**	**350,000**	**280,000**	**0.11**
KM-41	2.75-3.25	3/24/2011	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	2.8 U	0.56 U	2.8 U	0.56 U	0.56 U	0.56 U	2.9	2.8 U	2.8 U	1.8	2.8 U	0.56 U
	4.25-4.75		0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	2.2 U	0.43 U	2.2 U	0.43 U	0.43 U	0.43 U	0.71	2.2 U	2.2 U	1.6	2.2 U	0.43 U
KM-41-B1	6.0	03/06/15	--	--	--	--	--	--	--	--	--	--	--	0.097 U	--	--	--	--	--
KM-41-EW	4.0	03/06/15	--	--	--	--	--	--	--	--	--	--	--	0.050 U	--	--	--	--	--
KM-41-NW	4.0	03/06/15	--	--	--	--	--	--	--	--	--	--	--	0.066 U	--	--	--	--	--
KM-41-SW	4.0	03/06/15	--	--	--	--	--	--	--	--	--	--	--	0.52	--	--	--	--	--
KM-41-WW	4.0	03/06/15	--	--	--	--	--	--	--	--	--	--	--	0.065 U	--	--	--	--	--
KM-R01	2	10/15/2015	--	--	--	--	--	--	--	--	--	--	--	0.18	--	--	--	--	--
KM-R02	5	10/15/2015	--	--	--	--	--	--	--	--	--	--	--	0.20	--	--	--	--	--
KM-R03	2	10/16/2015	--	--	--	--	--	--	--	--	--	--	--	0.076 U	--	--	--	--	--
KM-R04	6	10/16/2015	--	--	--	--	--	--	--	--	--	--	--	**5.3**	--	--	--	--	--
KM-R05	2	10/19/2015	--	--	--	--	--	--	--	--	--	--	--	0.087 U	--	--	--	--	--
KM-R06	6.5	10/19/2015	--	--	--	--	--	--	--	--	--	--	--	2.0	--	--	--	--	--
KM-R07	2	10/20/2015	--	--	--	--	--	--	--	--	--	--	--	0.047 U	--	--	--	--	--
KM-R08	5	10/20/2015	--	--	--	--	--	--	--	--	--	--	--	**8.6**	--	--	--	--	--
KM-R09	2	10/20/2015	--	--	--	--	--	--	--	--	--	--	--	0.045 U	--	--	--	--	--
KM-R10	5	10/20/2015	--	--	--	--	--	--	--	--	--	--	--	0.27	--	--	--	--	--
KM-R11	2	10/21/2015	--	--	--	--	--	--	--	--	--	--	--	0.078	--	--	--	--	--
KM-R12	5	10/21/2015	--	--	--	--	--	--	--	--	--	--	--	0.89	--	--	--	--	--
KM-R13	3	11/3/2015	--	--	--	--	--	--	--	--	--	--	--	0.057 U	--	--	--	--	--
NE	6	3/18/1998	--	--	0.1 U	--	--	--	--	0.1 U	--	--	--	0.1 U	--	--	0.1 U	2 U	--
Pipe-1	5.5	10/28/2009	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0097 U	0.0019 U	0.0097 U	0.0019 U	0.0019 U	0.0019 U	0.34	0.0097 U	0.0097 U	0.018	0.0097 U	0.0019 U
Pipe-C1	5.5	11/17/2009	0.0011 U	0.0011 U	0.0015	0.0011 U	0.0011 U	0.0054 U	0.0011 U	0.0054 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0054 U	0.0054 U	0.0011 U	0.0054 U	0.0011 U
Product-E1-Wall	9	10/22/2009	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0052 U	0.001 U	0.0052 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0052 U	0.0052 U	0.0076	0.0052 U	0.001 U
Product-E2-Wall	9	10/22/2009	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0055 U	0.0011 U	0.0055 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0055 U	0.0055 U	0.0011 U	0.0055 U	0.0011 U
Product-N-Wall	9	10/22/2009	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.37 U	0.074 U	0.37 U	0.074 U	0.074 U	0.074 U	0.099	0.37 U	0.37 U	0.42	0.37 U	0.074 U
Product-S-Wall	9	10/20/2009	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0069 U	0.0014 U	0.0069 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0069 U	0.0069 U	0.0014 U	0.0069 U	0.0014 U
Product-W1b-Wall	9.5	11/13/2009	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0057 U	0.0011 U	0.0057 U	0.0011 U	0.0011 U	0.0011 U	0.67	0.0057 U	0.0057 U	0.19	0.0057 U	0.0011 U
Product-W2b-Wall	9.5	11/13/2009	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.3 U	0.059 U	0.3 U	0.059 U	0.059 U	0.059 U	1.2	0.3 U	0.3 U	0.44	0.3 U	0.059 U
SE	6	3/18/1998	--	--	0.1 U	--	--	--	--	0.1 U	--	--	--	0.1 U	--	--	0.1 U	2 U	--
Tank-1-B	9.5	10/27/2009	0.0012 U	0.0012 U	0.0097	0.0012 U	0.0012 U	0.0062 U	0.0012 U	0.0062 U	0.0012 U	0.0012 U	0.0012 U	0.009	0.0062 U	0.0062 U	0.0072	0.0062 U	0.0012 U
Tank-2-B	9.5	10/27/2009	0.0013 U	0.0013 U	0.006	0.0013 U	0.0013 U	0.0066 U	0.0013 U	0.0066 U	0.0013 U	0.0013 U	0.0013 U	1.3	0.0066 U	0.0066 U	0.12	0.0066 U	0.0013 U
Tank-3-B	9.5	10/20/2009	0.00096 U	0.00096 U	0.00096 U	0.00096 U	0.00096 U	0.0048 U	0.00096 U	0.0048 U	0.00096 U	0.00096 U	0.00096 U	0.019	0.0048 U	0.0048 U	0.00096 U	0.0048 U	0.00096 U

TABLE 5-4

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1, 2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	Methylene chloride	Naphthalene	n-Butylbenzene	n-Propylbenzene	m,p-Xylene	o-Xylene	Total xylenes	p-isopropyltoluene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl acetate	Vinyl chloride
Preliminary Screening Levels (mg/kg)			**0.02**	**0.25**	**175,000**	**3.3**	**17**	**4**	**17**	**--**	**350,000**	**35.9**	**350,000**	**0.01**	**4.7**	**0.004**	**1,050,000**	**32**	**0.001**
KM-41	2.75-3.25	3/24/2011	2.8 U	**9**	0.56 U	1.6	**19**	**11**	**30**	2.3	1.9	0.56 U	0.56 U	0.56 U	2.8 U	0.56 U	0.56 U	2.8 U	0.56 U
	4.25-4.75		2.2 U	**10**	1.9	2.7	3.5	1.6	5.1	0.62	1.5	0.43 U	0.43 U	0.43 U	2.2 U	0.43 U	0.43 U	2.2 U	0.43 U
KM-41-B1	6.0	03/06/15	--	--	--	--	0.24	0.097 U	0.24	--	--	--	--	--	0.097 U	--	--	--	--
KM-41-EW	4.0	03/06/15	--	--	--	--	0.050 U	0.050 U	0.050 U	--	--	--	--	--	0.050 U	--	--	--	--
KM-41-NW	4.0	03/06/15	--	--	--	--	0.066 U	0.066 U	0.066 U	--	--	--	--	--	0.066 U	--	--	--	--
KM-41-SW	4.0	03/06/15	--	--	--	--	5.6	1.0 U	5.6	--	--	--	--	--	0.10 U	--	--	--	--
KM-41-WW	4.0	03/06/15	--	--	--	--	0.065 U	0.065 U	0.065	--	--	--	--	--	0.065 U	--	--	--	--
KM-R01	2	10/15/2015	--	--	--	--	0.25	0.063 U	0.25	--	--	--	--	--	0.063 U	--	--	--	--
KM-R02	5	10/15/2015	--	--	--	--	0.33	0.053 U	0.33	--	--	--	--	--	0.053 U	--	--	--	--
KM-R03	2	10/16/2015	--	--	--	--	0.22	0.076 U	0.22	--	--	--	--	--	0.076 U	--	--	--	--
KM-R04	6	10/16/2015	--	--	--	--	5.9	0.32 U	5.9	--	--	--	--	--	0.063 U	--	--	--	--
KM-R05	2	10/19/2015	--	--	--	--	0.41	0.087 U	0.41	--	--	--	--	--	0.087 U	--	--	--	--
KM-R06	6.5	10/19/2015	--	--	--	--	6.8	0.61	6.8	--	--	--	--	--	0.072 U	--	--	--	--
KM-R07	2	10/20/2015	--	--	--	--	0.11	0.047 U	0.11	--	--	--	--	--	0.047 U	--	--	--	--
KM-R08	5	10/20/2015	--	--	--	--	6.9	0.095 U	6.9	--	--	--	--	--	0.095 U	--	--	--	--
KM-R09	2	10/20/2015	--	--	--	--	0.045 U	0.045 U	0.045	--	--	--	--	--	0.045 U	--	--	--	--
KM-R10	5	10/20/2015	--	--	--	--	2.7	0.10 U	2.7	--	--	--	--	--	0.10 U	--	--	--	--
KM-R11	2	10/21/2015	--	--	--	--	0.33	0.068 U	0.33	--	--	--	--	--	0.068 U	--	--	--	--
KM-R12	5	10/21/2015	--	--	--	--	7.5	1.5 U	7.5	--	--	--	--	--	0.29 U	--	--	--	--
KM-R13	3	11/3/2015	--	--	--	--	0.13	0.057 U	--	--	--	--	--	--	0.057 U	--	--	--	--
NE	6	3/18/1998	--	0.1 U	0.1 U	0.1 U	--	--	0.238	0.1 U	0.1 U	--	--	--	0.1 U	--	--	--	--
Pipe-1	5.5	10/28/2009	0.0097 U	0.0019 U	0.0019 U	0.0019 U	1.2	0.31	1.51	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0038	0.02	0.0019 U	0.0019 U	0.0097 U	0.0019 U
Pipe-C1	5.5	11/17/2009	0.0054 U	0.0011 U	0.0011 U	0.0011 U	0.0022 U	0.0011 U	0.0022 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0054 U	0.0011 U	0.0011 U	0.0054 U	0.0011 U
Product-E1-Wall	9	10/22/2009	0.0052 U	0.001 U	0.001 U	0.0038	0.0021 U	0.001 U	0.0021 U	0.001 U	0.0012	0.001 U	0.001 U	0.001 U	0.014	0.001 U	0.001 U	0.0052 U	0.001 U
Product-E2-Wall	9	10/22/2009	0.0055 U	0.0011 U	0.0011 U	0.0011 U	0.0022 U	0.0011 U	0.0022 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0055 U	0.0011 U	0.0011 U	0.0055 U	0.0011 U
Product-N-Wall	9	10/22/2009	0.37 U	0.074 U	0.19	0.47	0.15 U	0.074 U	0.15 U	0.074 U	0.15	0.074 U	0.074 U	0.074 U	0.37 U	0.074 U	0.074 U	0.37 U	0.074 U
Product-S-Wall	9	10/20/2009	0.0069 U	0.0014 U	0.0014 U	0.0014 U	0.0027 U	0.0014 U	0.0027 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0069 U	0.0014 U	0.0014 U	0.0069 U	0.0014 U
Product-W1b-Wall	9.5	11/13/2009	0.0057 U	0.003	0.038	0.33	0.018	0.0011 U	0.018	0.0072	0.063	0.0011 U	0.0043	0.0011 U	0.0057 U	0.0011 U	0.0011 U	0.0057 U	0.0011 U
Product-W2b-Wall	9.5	11/13/2009	0.3 U	0.059 U	0.087	0.52	2.1	0.28	2.38	0.059 U	0.093	0.059 U	0.059 U	0.059 U	0.47	0.059 U	0.059 U	0.3 U	0.059 U
SE	6	3/18/1998	--	0.1 U	0.1 U	0.1 U	--	--	0.2 U	0.1 U	0.1 U	--	--	--	0.1 U	--	--	--	--
Tank-1-B	9.5	10/27/2009	0.0062 U	0.0012 U	0.0012 U	0.0083	0.011	0.0012 U	0.011	0.0012 U	0.0013	0.0012 U	0.0012 U	0.0012 U	0.0062 U	0.0012 U	0.0012 U	0.0062 U	0.0012 U
Tank-2-B	9.5	10/27/2009	0.0066 U	0.18	0.0013 U	0.18	2.6	0.58	3.18	0.014	0.044	0.0013 U	0.0026	0.0013 U	0.095	0.0013 U	0.0013 U	0.0066 U	0.0013 U
Tank-3-B	9.5	10/20/2009	0.0048 U	0.00096 U	0.00096 U	0.00096 U	0.089	0.032	0.121	0.00096 U	0.00096 U	0.00096 U	0.00096 U	0.00096 U	0.0048 U	0.00096 U	0.00096 U	0.0048 U	0.00096 U

TABLE 5-4

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1, 2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	*c/s*-1,2-Dichloroethene	*c/s*-1,3-Dichloropropene	*trans*-1,2-Dichloroethene	*trans*-1,3-Dichloropropene	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane
Preliminary Screening Levels (mg/kg)			**0.08**	**--**	**0.87**	**--**	**5,048**	**41.5**	**0.001**	**0.003**	**0.04**	**0.001**	**--**	**--**	**4.4**	**0.1**	**--**	**164**	**66**
Tank-5-B	9.5	10/21/2009	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0054 U	0.0011 U
Tank-6-B	9.5	10/21/2009	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.28 U	0.055 U
Tank-7-B	9.5	10/22/2009	0.00093 U	0.00093 U	0.00093 U	0.00093 U	0.00093 U	0.00093 U	0.00093 U	0.00093 U	0.00093 U	0.00093 U	0.00093 U	0.00093 U	0.00093 U	0.00093 U	0.00093 U	0.0046 U	0.00093 U
Tank-8-B	9.5	10/22/2009	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0052 U	0.001 U
Tank-9-B	9.5	10/22/2009	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0059 U	0.0012 U
Tank-soil-B1	~ 3.5	03/05/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tank-soil-B1B	~ 3.5	03/09/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TANK2-SOIL-B1	9.5	06/18/15	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	1.7 U	0.34 U
TANK2-SOIL-S1	5.0	06/22/15	0.048 U	0.048 U	0.048 U	0.048 U	0.048 U	0.048 U	0.048 U	0.048 U	0.048 U	0.048 U	0.048 U	0.048 U	0.048 U	0.048 U	1	0.24 U	--
TANK2-SOIL-S2	5.0	06/22/15	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.048 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.048 U	0.048 U	0.048 U	0.048 U	0.24 U	--
TANK2-SOIL-S3	5.0	06/22/15	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	14	0.26 U	--
TP4	1	11/13/2009	0.0027 U	0.0027 U	0.0027 U	0.0027 U	0.0027 U	0.0027 U	0.0027 UJ	0.0027 U	0.0027 U	0.0027 U	0.0027 U	0.0027 UJ	0.0027 UJ	0.0027 UJ	0.0027 UJ	0.013 UJ	0.0027 U
TP4	8	11/13/2009	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	1	0.28 U	0.056 U

TABLE 5-4

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1, 2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone	2-Chloroethyl vinyl ether	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane
Preliminary Screening Levels (mg/kg)			**4.9**	**0.002**	**0.003**	**35,000**	**--**	**1,313**	**0.08**	**--**	**2,100,000**	**--**	**--**	**--**	**--**	**29**	**0.004**	**--**	**--**	**0.001**
Tank-5-B	9.5	10/21/2009	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0054 U	0.0054 U	0.0011 U	0.0054 U	0.0011 U	0.016	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Tank-6-B	9.5	10/21/2009	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.28 U	0.28 U	0.055 U	0.28 U	0.055 U	0.28 U	0.055 U	0.055 U	0.055 U	0.055 U
Tank-7-B	9.5	10/22/2009	0.00093 U	0.00093 U	0.00093 U	0.00093 U	0.00093 U	0.00093 U	0.00093 U	0.00093 U	0.0046 U	0.0046 U	0.00093 U	0.0046 U	0.00093 U	3.5	0.00093 U	0.00093 U	0.00093 U	0.00093 U
Tank-8-B	9.5	10/22/2009	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0052 U	0.0052 U	0.001 U	0.0052 U	0.001 U	10	0.001 U	0.001 U	0.001 U	0.001 U
Tank-9-B	9.5	10/22/2009	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.006	0.0059 U	0.0012 U	0.0059 U	0.0012 U	0.04	0.0012 U	0.0012 U	0.0012 U	0.0012 U
Tank-soil-B1	~ 3.5	03/05/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.17**	--	--	--
Tank-soil-B1B	~ 3.5	03/09/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.063 U	--	--	--
TANK2-SOIL-B1	9.5	06/18/15	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	1.7 U	1.7 U	0.34 U	1.7 U	0.34 U	3.4 U	0.34 U	0.34 U	0.34 U	0.34 U
TANK2-SOIL-S1	5.0	06/22/15	0.048 U	0.048 U	0.048 U	0.49	0.048 U	0.048 U	0.048 U	0.048 U	0.24 U	0.24 U	0.048 U	0.24 U	0.048 U	0.48 U	**0.22**	0.048 U	0.048 U	--
TANK2-SOIL-S2	5.0	06/22/15	0.048 U	0.0012 U	0.0012 U	0.048 U	0.048 U	0.0012 U	0.048 U	0.0012 U	0.0058 U	0.0058 U	0.048 U	0.0058 U	0.048 U	0.017	0.0012 U	0.048 U	0.0012 U	--
TANK2-SOIL-S3	5.0	06/22/15	0.052 U	0.052 U	0.052 U	3	0.052 U	0.052 U	0.052 U	0.052 U	0.26 U	0.26 U	0.052 U	0.26 U	0.052 U	0.52 U	0.052 U	0.052 U	0.052 U	--
TP4	1	11/13/2009	0.0027 UJ	0.0027 U	0.0027 U	0.0027 UJ	0.0027 UJ	0.0027 U	0.0027 UJ	0.0027 U	0.013 U	0.013 U	0.0027 UJ	0.013 U	0.0027 UJ	0.013 U	0.0027 U	0.0027 UJ	0.0027 U	0.0027 U
TP4	8	11/13/2009	0.056 U	0.056 U	0.056 U	0.45	0.056 U	0.056 U	0.056 U	0.056 U	0.28 U	0.28 U	0.056 U	0.28 U	0.056 U	0.28 U	0.056 U	0.056 U	0.056 U	0.056 U

TABLE 5-4

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1, 2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane	Ethylbenzene	Hexachlorobutadiene	Iodomethane	Isopropylbenzene	Methyl isobutyl ketone	Methyl t-butyl ether
Preliminary Screening Levels (mg/kg)			**0.03**	**0.05**	**2.8**	**0.002**	**1.14**	**--**	**0.01**	**--**	**0.002**	**--**	**700,000**	**4.6**	**0.005**	**--**	**350,000**	**280,000**	**0.11**
Tank-5-B	9.5	10/21/2009	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0054 U	0.0011 U	0.0054 U	0.0011 U	0.0011 U	0.0011 U	0.0012	0.0054 U	0.0054 U	0.0011 U	0.0054 U	0.0011 U
Tank-6-B	9.5	10/21/2009	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.28 U	0.055 U	0.28 U	0.055 U	0.055 U	0.055 U	0.083	0.28 U	0.28 U	0.073	0.28 U	0.055 U
Tank-7-B	9.5	10/22/2009	0.00093 U	0.00093 U	0.00093 U	0.00093 U	0.00093 U	0.0046 U	0.00093 U	0.0046 U	0.00093 U	0.00093 U	0.00093 U	0.00093 U	0.0046 U	0.0046 U	0.00093 U	0.0046 U	0.00093 U
Tank-8-B	9.5	10/22/2009	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0052 U	0.001 U	0.0052 U	0.001 U	0.001 U	0.001 U	0.0056	0.0052 U	0.0052 U	0.001 U	0.0052 U	0.001 U
Tank-9-B	9.5	10/22/2009	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0059 U	0.0012 U	0.0059 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0059 U	0.0059 U	0.0012 U	0.0059 U	0.0012 U
Tank-soil-B1	~ 3.5	03/05/15	--	--	--	--	--	--	--	--	--	--	--	2.5	--	--	--	--	--
Tank-soil-B1B	~ 3.5	03/09/15	--	--	--	--	--	--	--	--	--	--	--	0.29	--	--	--	--	--
TANK2-SOIL-B1	9.5	06/18/15	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	1.7 U	0.34 U	1.7 U	0.34 U	0.34 U	0.34 U	0.34 U	1.7 U	--	2.1	1.7 U	0.34 U
TANK2-SOIL-S1	5.0	06/22/15	0.048 U	0.048 U	0.048 U	0.048 U	0.048 U	0.24 U	0.048 U	0.24 U	0.048 U	0.048 U	0.048 U	1.2	0.24 U	--	0.048 U	0.24 U	0.048 U
TANK2-SOIL-S2	5.0	06/22/15	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0058 U	0.0012 U	0.0058 U	0.0012 U	0.0012 U	0.0012 U	0.053	0.0012 U	0.24 U	0.0012 U	0.0058 U	0.0012 U
TANK2-SOIL-S3	5.0	06/22/15	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.26 U	0.052 U	0.26 U	0.052 U	0.052 U	0.052 U	4.3	0.26 U	--	0.33	0.26 U	0.052 U
TP4	1	11/13/2009	0.0027 U	0.0027 U	0.0027 U	0.0027 U	0.0027 U	0.013 U	0.0027 U	0.013 U	0.0027 U	0.0027 U	0.0027 U	0.0074	0.013 UJ	0.013 U	0.0027 U	0.013 U	0.0027 U
TP4	8	11/13/2009	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.28 U	0.056 U	0.28 U	0.056 U	0.056 U	0.056 U	4.2	0.28 U	0.28 U	0.68	0.28 U	0.056 U

TABLE 5-4

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1, 2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	Methylene chloride	Naphthalene	n-Butylbenzene	n-Propylbenzene	m,p-Xylene	o-Xylene	Total xylenes	p-isopropyltoluene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl acetate	Vinyl chloride
Preliminary Screening Levels (mg/kg)			**0.02**	**0.25**	**175,000**	**3.3**	**17**	**4**	**17**	**--**	**350,000**	**35.9**	**350,000**	**0.01**	**4.7**	**0.004**	**1,050,000**	**32**	**0.001**
Tank-5-B	9.5	10/21/2009	0.0054 U	0.0011 U	0.0011 U	0.0011 U	0.005	0.0017	0.0067	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.03	0.0011 U	0.0011 U	0.0054 U	0.0011 U
Tank-6-B	9.5	10/21/2009	0.28 U	0.055 U	0.055 U	0.13	0.28	0.055 U	0.28	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.3	0.055 U	0.055 U	0.28 U	0.055 U
Tank-7-B	9.5	10/22/2009	0.0046 U	0.00093 U	0.00093 U	0.00093 U	0.0019 U	0.00093 U	0.0019 U	0.00093 U	0.00093 U	0.00093 U	0.00093 U	0.00093 U	0.0046 U	0.00093 U	0.00093 U	0.0046 U	0.00093 U
Tank-8-B	9.5	10/22/2009	0.0052 U	0.001 U	0.001 U	0.001 U	0.024	0.0086	0.0326	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0052 U	0.001 U	0.001 U	0.0052 U	0.001 U
Tank-9-B	9.5	10/22/2009	0.0059 U	0.0012 U	0.0012 U	0.0012 U	0.0024 U	0.0012 U	0.0024 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0059 U	0.0012 U	0.0012 U	0.0059 U	0.0012 U
Tank-soil-B1	~ 3.5	03/05/15	--	**0.38**	--	--	5.0	1.3 U	5	--	--	--	--	--	0.19	--	--	--	--
Tank-soil-B1B	~ 3.5	03/09/15	--	--	--	--	1.2	0.17	1.37	--	--	--	--	--	0.31 U	--	--	--	--
TANK2-SOIL-B1	9.5	06/18/15	1.7 U	0.34 U	1.8	3.0	0.68 U	0.34 U	0.68 U	0.34 U	0.95	0.34 U	0.34 U	0.34 U	1.7 U	0.34 U	--	1.7 U	0.34 U
TANK2-SOIL-S1	5.0	06/22/15	0.24 U	**0.85**	0.048 U	0.06	6.6	0.44	7.04	0.15	0.048 U	0.048 U	0.048 U	0.048 U	0.49	0.048 U	--	0.24 U	0.048 U
TANK2-SOIL-S2	5.0	06/22/15	0.0058 U	0.048 U	0.048 U	0.048 U	0.26	0.0012 U	0.26	0.048 U	0.048 U	0.0012 U	0.048 U	0.0012 U	0.0058 U	0.0012 U	--	0.0058 U	0.0012 U
TANK2-SOIL-S3	5.0	06/22/15	0.26 U	**9.1**	1.4	0.24	**140**	**30**	**170**	1.7	0.53	0.052 U	0.08	0.052 U	0.26 U	0.052 U	--	0.26 U	0.052 U
TP4	1	11/13/2009	0.013 U	0.0027 UJ	0.0027 UJ	0.0027 UJ	0.014	0.0027 U	0.014	0.0027 UJ	0.0027 UJ	0.0027 U	0.0027 UJ	0.0027 U	0.013 U	0.0027 U	0.0027 U	0.013 U	0.0027 U
TP4	8	11/13/2009	0.28 U	0.18	0.056 U	1.1	5.1	0.32	5.42	0.097	0.1	0.056 U	0.056 U	0.056 U	0.28 U	0.056 U	0.056 U	0.28 U	0.056 U

Notes
1. Data flags are as follows:
   J = concentration shown is an estimate.
   U = analyte not detected at or above laboratory reporting limit indicated.
   UJ = analyte not detected at or above value shown, which is estimated laboratory reporting limit.
   -- = not analyzed
2. All values are in milligrams per kilogram (mg/kg)
   = indicates sample was over-excavated.
Bold results exceed preliminary screening levels.

Abbreviations
bgs = below ground surface
FD = field duplicate
mg/kg = milligrams per kilogram

TABLE 5-5

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1,2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	(3+4)-Methylphenol (m,p-Cresol)	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,2-Dinitrobenzene	1,2-Diphenylhydrazine	1,3-Dichlorobenzene	1,3-Dinitrobenzene	1,4-Dichlorobenzene	1,4-Dinitrobenzene	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,3-Dichloroaniline	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol
Preliminary Screening Levels (mg/kg)			**17,500**	**0.03**	**2.4**	**350**	**164**	**--**	**350**	**0.05**	**350**	**105,000**	**--**	**--**	**29**	**0.03**	**0.2**	**1.3**	**0.33**
B7-Piping-B1	5.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-B2	5.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-B5	5.0	03/13/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-S1	4.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-S1B	4.0	03/13/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-S2	4.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Trench-1	2.5	11/24/2009	3.6 U	3.6 U	3.6 U	0.18 U	0.18 U	3.6 U	0.18 U	3.6 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	3.6 U	3.6 U	0.9 U
B7-Trench-2	2.5	11/24/2009	3.7 UJ	3.7 UJ	3.7 UJ	0.19 UJ	0.19 UJ	3.7 UJ	0.19 UJ	3.7 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.19 UJ	3.7 UJ	3.7 UJ	0.94 UJ
B7-Trench-3	2.5	11/24/2009	0.22	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.22	0.94 U
Containment-E-Wall	9.5	10/27/2009	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.2 U
Containment-N-Wall	9.5	10/27/2009	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.21 U
Containment-S-Wall	9.5	10/27/2009	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.13	0.2 U
Containment-W-Wall	9.5	10/28/2009	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.19 U
KM-1	1.5-2	8/5/2009	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 UJ	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1 U
KM-2	1.5-2	8/5/2009	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.18 U
KMW-02	5-5.5	3/18/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KMW-04	2-2.5	3/17/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4.5-5		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-5	2-2.5	8/7/2009	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1.1 U
	6-6.5		0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.88 U
KM-6	1.5-2	8/7/2009	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.9 U
	4-4.2		0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.89 U
KM-7	1.8-2	8/7/2009	4.1	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	2.5 U
	6.8-7		0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.96 U
KM-8	1.8-2	8/7/2009	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	2.2 U
	6.8-7		0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	1.8 U
KM-9	1.5-2	8/5/2009	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.18 U
KM-10	1.2-1.5	8/6/2009	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	**1.6**	1.7 U
	5.2-5.5		0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	1.8 U
KM-11	1.8-2	8/6/2009	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1.1 U
KM-12	1.8-2	8/7/2009	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.88 U
KM-13	1.2-1.5	8/6/2009	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.18 U
KM-14	1.8-2	8/6/2009	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.19 U
KM-15	3.8-4	8/6/2009	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.2 U
KM-16	3.8-4	8/6/2009	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.91 U
	7.8-8		0.035 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.18 UJ
KM-22	6.5-7	8/23/2010	0.051	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.21 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	1.1 U	0.21 U
	12.5-13		0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.2 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.98 U	0.2 U
KM-23	7.5-8	8/23/2010	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.18 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.88 U	0.18 U
	10.5-11		0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.19 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.96 U	0.19 U
KM-24	7.5-8	8/23/2010	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.18 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.91 U	0.18 U
	10.5-11		0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.2 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	1 U	0.2 U
KM-25	10.5-11	8/23/2010	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.19 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.93 U	0.19 U
KM-26	8-8.5	8/23/2010	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.17 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.87 U	0.17 U
	11-11.5		0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.19 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.97 U	0.19 U

TABLE 5-5

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1,2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylphenol (o-Cresol)	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chloroaniline	4-Chlorophenyl phenyl ether	4-Nitroaniline	4-Nitrophenol	Acenaphthene
Preliminary Screening Levels (mg/kg)			**0.03**	**0.03**	**280,000**	**0.47**	**2.3**	**35,000**	**--**	**0.17**	**--**	**--**	**--**	**--**	**0.17**	**--**	**--**	**--**	**66**
B7-Piping-B1	5.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-B2	5.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-B5	5.0	03/13/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-S1	4.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-S1B	4.0	03/13/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-S2	4.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Trench-1	2.5	11/24/2009	0.18 U	0.18 U	0.18 U	3.6 U	3.6 U	0.18 U	3.6 U	1.8 U	0.18 U	0.9 U	0.18 U	3.6 U	3.6 U	0.18 U	0.18 U	0.18 U	0.19
B7-Trench-2	2.5	11/24/2009	0.19 UJ	0.19 UJ	0.19 UJ	3.7 UJ	3.7 UJ	0.19 UJ	3.7 UJ	1.9 UJ	0.19 UJ	0.94 UJ	0.19 UJ	3.7 UJ	3.7 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.51 J
B7-Trench-3	2.5	11/24/2009	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.9 U	0.19 U	0.94 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.2
Containment-E-Wall	9.5	10/27/2009	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.4 U	0.04 U	0.2 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.58
Containment-N-Wall	9.5	10/27/2009	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.42 U	0.042 U	0.21 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.0083 U
Containment-S-Wall	9.5	10/27/2009	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.41 U	0.041 U	0.2 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.051
Containment-W-Wall	9.5	10/28/2009	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.39 U	0.039 U	0.19 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.83
KM-1	1.5-2	8/5/2009	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.1 U	0.21 U	1 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.042 U
KM-2	1.5-2	8/5/2009	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.35 U	0.035 U	0.18 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.007 U
KMW-02	5-5.5	3/18/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.026
KMW-04	2-2.5	3/17/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0072 U
	4.5-5		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0073 U
KM-5	2-2.5	8/7/2009	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.1 U	0.21 U	1.1 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.0085 U
	6-6.5		0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	1.8 U	0.18 U	0.88 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.007 U
KM-6	1.5-2	8/7/2009	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	1.8 U	0.18 U	0.9 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.0072 U
	4-4.2		0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	1.8 U	0.18 U	0.89 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.0071 U
KM-7	1.8-2	8/7/2009	0.49 U	0.49 U	0.49 U	0.49 U	**3.5**	0.49 U	0.49 U	4.9 U	0.49 U	2.5 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.0098 U
	6.8-7		0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.9 U	0.19 U	0.96 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.0077 U
KM-8	1.8-2	8/7/2009	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	4.3 U	0.43 U	2.2 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.013
	6.8-7		0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	3.6 U	0.36 U	1.8 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.011
KM-9	1.5-2	8/5/2009	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.36 U	0.036 U	0.18 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.0072 U
KM-10	1.2-1.5	8/6/2009	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	3.4 U	0.34 U	1.7 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	3.5
	5.2-5.5		0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	3.5 U	0.35 U	1.8 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	4.7
KM-11	1.8-2	8/6/2009	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.1 U	0.21 U	1.1 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1.5
KM-12	1.8-2	8/7/2009	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	1.8 U	0.18 U	0.88 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.007 U
KM-13	1.2-1.5	8/6/2009	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.35 U	0.035 U	0.18 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.007 U
KM-14	1.8-2	8/6/2009	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.37 U	0.037 U	0.19 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.048
KM-15	3.8-4	8/6/2009	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.4 U	0.04 U	0.2 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.0099
KM-16	3.8-4	8/6/2009	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	1.8 U	0.18 U	0.91 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.19
	7.8-8		0.035 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.35 UJ	0.035 UJ	0.18 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.014 UJ
KM-22	6.5-7	8/23/2010	0.043 U	0.043 U	0.043 U	0.043 U	0.049	0.043 U	0.043 U	0.43 U	0.043 U	0.21 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.0085 U
	12.5-13		0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.39 U	0.039 U	0.2 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.0078 U
KM-23	7.5-8	8/23/2010	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.35 U	0.035 U	0.18 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.007 U
	10.5-11		0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.38 U	0.038 U	0.19 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.0077 U
KM-24	7.5-8	8/23/2010	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.37 U	0.037 U	0.18 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.0073 U
	10.5-11		0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.4 U	0.04 U	0.2 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.0081 U
KM-25	10.5-11	8/23/2010	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.37 U	0.037 U	0.19 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.033
KM-26	8-8.5	8/23/2010	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.35 U	0.035 U	0.17 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.007 U
	11-11.5		0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.39 U	0.039 U	0.19 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.0078 U

TABLE 5-5

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1,2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	Acenaphthylene	Aniline	Anthracene	Benzidine	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Benzyl alcohol	bis(2-Chloroethoxy)methane	bis(2-Chloroethyl) ether	bis(2-Chloroisopropyl) ether	bis(2-Ethylhexyl) phthalate	bis-2-Ethylhexyl adipate	Butyl benzyl phthalate	Carbazole
Preliminary Screening Levels (mg/kg)			**--**	**23,026**	**2,275**	**0.57**	**0.07**	**0.19**	**0.2**	**--**	**0.25**	**350,000**	**--**	**0.033**	**--**	**2.6**	**109,375**	**2.3**	**--**
B7-Piping-B1	5.0	02/27/15	--	--	--	--	--	**0.42**	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-B2	5.0	02/27/15	--	--	--	--	--	**4.6**	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-B5	5.0	03/13/15	--	--	--	--	--	**3.7**	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-S1	4.0	02/27/15	--	--	--	--	--	**7.8**	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-S1B	4.0	03/13/15	--	--	--	--	--	**0.28**	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-S2	4.0	02/27/15	--	--	--	--	--	**51**	--	--	--	--	--	--	--	--	--	--	--
B7-Trench-1	2.5	11/24/2009	0.18 U	3.6 U	0.18 U	1.8 U	**2**	**2**	**2.8**	1.6	**2.3**	3.6 U	3.6 U	3.6 U	3.6 U	0.18 U	0.18 U	0.18 U	0.18 U
B7-Trench-2	2.5	11/24/2009	0.19 UJ	3.7 UJ	0.19 UJ	1.9 UJ	**7.4 J**	**7.2 J**	**12 J**	7.2 J	**6.9 J**	3.7 UJ	3.7 UJ	3.7 UJ	3.7 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.19 UJ
B7-Trench-3	2.5	11/24/2009	2.4	0.19 U	5.9	1.9 U	**20**	**21**	**22**	16	**19**	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.49
Containment-E-Wall	9.5	10/27/2009	0.04 U	0.04 U	0.49	0.4 U	**0.32**	**0.3**	**0.38**	0.23	0.14	0.04 U	0.04 U	0.04 U	0.04 U	0.17	0.04 U	0.04 U	0.22
Containment-N-Wall	9.5	10/27/2009	0.0083 U	0.042 U	0.0083 U	0.42 U	0.0083 U	0.0083 U	0.0083 U	0.0083 U	0.0083 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U
Containment-S-Wall	9.5	10/27/2009	0.0081 U	0.041 U	0.064	0.41 U	0.046	0.042	0.062	0.034	0.016	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U
Containment-W-Wall	9.5	10/28/2009	0.039 U	0.039 U	0.95	0.39 U	**0.67**	**0.68**	**0.82**	0.51	**0.29**	0.039 U	0.039 U	0.039 U	0.039 U	0.099	0.039 U	0.039 U	0.32
KM-1	1.5-2	8/5/2009	0.042 U	0.21 U	0.042 U	2.1 U	0.056	0.11	0.14	0.094	0.047	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
KM-2	1.5-2	8/5/2009	0.007 U	0.035 U	0.007 U	0.35 U	0.024	0.033	0.035	0.026	0.016	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U
KMW-02	5-5.5	3/18/2011	0.0085 U	--	0.03	--	**0.23**	**0.35**	**0.42**	0.38	**0.3**	--	--	--	--	--	--	--	--
KMW-04	2-2.5	3/17/2011	0.0072 U	--	0.0072 U	--	0.0072 U	0.0072 U	0.0072 U	0.0072 U	0.0072 U	--	--	--	--	--	--	--	--
	4.5-5		0.0073 U	--	0.0073 U	--	0.0073 U	0.0073 U	0.0073 U	0.0073 U	0.0073 U	--	--	--	--	--	--	--	--
KM-5	2-2.5	8/7/2009	0.0085 U	0.21 U	0.0085 U	2.1 U	0.0085 U	0.0085 U	0.0085 U	0.0085 U	0.0085 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
	6-6.5		0.007 U	0.18 U	0.007 U	1.8 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
KM-6	1.5-2	8/7/2009	0.0072 U	0.18 U	0.0072 U	1.8 U	0.0072 U	0.0072 U	0.0072 U	0.0072 U	0.0072 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
	4-4.2		0.0071 U	0.18 U	0.0071 U	1.8 U	0.0071 U	0.0071 U	0.0071 U	0.0071 U	0.0071 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
KM-7	1.8-2	8/7/2009	0.0098 U	0.49 U	0.0098 U	4.9 U	0.0098 U	0.0098 U	0.0098 U	0.0098 U	0.0098 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U
	6.8-7		0.0077 U	0.19 U	0.0077 U	1.9 U	0.0077 U	0.0077 U	0.0077 U	0.0077 U	0.0077 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
KM-8	1.8-2	8/7/2009	0.032	0.43 U	0.13	4.3 U	**0.46**	**0.81**	**0.49**	0.72	**0.5**	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
	6.8-7		0.0072 U	0.36 U	0.0072 U	3.6 U	0.012	0.014	0.017	0.011	0.0072 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
KM-9	1.5-2	8/5/2009	0.0072 U	0.036 U	0.0072 U	0.36 U	0.0072 U	0.0072 U	0.0072 U	0.0072 U	0.0072 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U
KM-10	1.2-1.5	8/6/2009	0.42	0.34 U	1.4	3.4 U	**2.4**	**1.9**	**2.5**	1.7	**2**	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.85
	5.2-5.5		0.35 U	0.35 U	1.6	3.5 U	**1.4**	**1.3**	**1.4**	0.95	**1.1**	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
KM-11	1.8-2	8/6/2009	0.28	0.21 U	0.68	2.1 U	**0.5**	**0.54**	**0.27**	0.41	**0.36**	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
KM-12	1.8-2	8/7/2009	0.007 U	0.18 U	0.007 U	1.8 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
KM-13	1.2-1.5	8/6/2009	0.007 U	0.035 U	0.007 U	0.35 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U
KM-14	1.8-2	8/6/2009	0.017	0.037 U	0.043	0.37 U	**0.12**	0.15	0.14	0.14	0.11	0.037 U	0.037 U	0.037 U	0.037 U	0.042	0.037 U	0.037 U	0.037 U
KM-15	3.8-4	8/6/2009	0.062	0.04 U	0.084	0.4 U	**0.19**	**0.24**	**0.34**	0.3	0.2	0.04 U	0.04 U	0.04 U	0.04 U	0.052	0.04 U	0.04 U	0.04 U
KM-16	3.8-4	8/6/2009	0.0072 U	0.18 U	0.2	1.8 U	**2.6**	**3.5**	**8.3**	5.2	**3.6**	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
	7.8-8		0.014 UJ	0.035 UJ	0.014 UJ	0.35 UJ	0.014 UJ	0.014 UJ	0.014 UJ	0.014 UJ	0.014 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.095 J	0.035 UJ	0.035 UJ
KM-22	6.5-7	8/23/2010	0.0095	0.043 U	0.018	0.43 U	0.075	0.089	0.079	0.064	0.075	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U
	12.5-13		0.0078 U	0.039 U	0.0096	0.39 U	0.016	0.015	0.013	0.014	0.013	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U
KM-23	7.5-8	8/23/2010	0.007 U	0.035 U	0.007 U	0.35 U	0.048	0.054	0.098	0.05	0.052	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U
	10.5-11		0.0077 U	0.038 U	0.0077 U	0.38 U	0.0077 U	0.0077 U	0.0077 U	0.0077 U	0.0077 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U
KM-24	7.5-8	8/23/2010	0.0073 U	0.037 U	0.0073 U	0.37 U	0.0073 U	0.0073 U	0.0073 U	0.0073 U	0.0073 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U
	10.5-11		0.0081 U	0.04 U	0.0081 U	0.4 U	0.0081 U	0.0081 U	0.01	0.0081 U	0.0081 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
KM-25	10.5-11	8/23/2010	0.58	0.037 U	0.64	0.37 U	**1.6**	**1.5**	**1.8**	1	**1.2**	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.11
KM-26	8-8.5	8/23/2010	0.007 U	0.035 U	0.007 U	0.35 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U
	11-11.5		0.0078 U	0.039 U	0.0078 U	0.39 U	0.0078 U	0.0078 U	0.0078 U	0.0078 U	0.0078 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U

TABLE 5-5

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1,2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	Chrysene	Dibenz[a,h]anthracene	Dibenzofuran	Diethyl phthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno[1,2,3-cd]pyrene	Isophorone	1-Methylnaphthalene	2-Methylnaphthalene
Preliminary Screening Levels (mg/kg)			**0.08**	**0.36**	**0.09**	**72**	**1088**	**58**	**35,000**	**85**	**101**	**1.6**	**1.1**	**160**	**0.04**	**0.7**	**0.04**	**4,526**	**14,000**
B7-Piping-B1	5.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-B2	5.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-B5	5.0	03/13/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-S1	4.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-S1B	4.0	03/13/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-S2	4.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B7-Trench-1	2.5	11/24/2009	**2.7**	**0.64**	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	2.5	0.18 U	0.18 U	3.6 U	0.18 U	3.6 U	**1.4**	3.6 U	3.6 U	3.6 U
B7-Trench-2	2.5	11/24/2009	**12 J**	**3 J**	**0.27 J**	0.19 UJ	0.19 UJ	0.19 UJ	0.19 UJ	7.1 J	0.33 J	0.19 UJ	3.7 UJ	0.19 UJ	3.7 UJ	**6.4 J**	3.7 UJ	3.7 UJ	7.4 J
B7-Trench-3	2.5	11/24/2009	**24**	**5**	**0.4**	0.19 U	0.19 U	0.19 U	0.19 U	29	1.5	0.19 U	0.19 U	0.19 U	0.19 U	**14**	0.19 U	0.24	0.46
Containment-E-Wall	9.5	10/27/2009	**0.35**	0.06	**0.29**	0.04 U	0.04 U	0.04 U	0.04 U	1.2	0.46	0.04 U	0.04 U	0.04 U	0.04 U	0.22	0.04 U	0.081	0.15
Containment-N-Wall	9.5	10/27/2009	0.0083 U	0.0083 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.0083 U	0.0083 U	0.042 U	0.042 U	0.042 U	0.042 U	0.0083 U	0.042 U	0.0083 U	0.0083 U
Containment-S-Wall	9.5	10/27/2009	0.058	0.01	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.16	0.045	0.041 U	0.041 U	0.041 U	0.041 U	0.028	0.041 U	0.0098	0.016
Containment-W-Wall	9.5	10/28/2009	**0.76**	0.13	**0.41**	0.039 U	0.039 U	0.039 U	0.039 U	2.2	0.62	0.039 U	0.039 U	0.039 U	0.039 U	0.46	0.039 U	0.15	0.28
KM-1	1.5-2	8/5/2009	**0.13**	0.042 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.15	0.042 U	0.21 U	0.21 U	0.21 U	0.21 U	0.054	0.21 U	0.064	0.077
KM-2	1.5-2	8/5/2009	0.029	0.0084	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.03	0.007 U	0.035 U	0.035 U	0.035 U	0.035 U	0.022	0.035 U	0.007 U	0.007 U
KMW-02	5-5.5	3/18/2011	**0.34**	0.11	--	--	--	--	--	0.35	0.012	--	--	--	--	0.3	--	0.0085 U	0.0085 U
KMW-04	2-2.5	3/17/2011	0.0072 U	0.0072 U	--	--	--	--	--	0.0072 U	0.0072 U	--	--	--	--	0.0072 U	--	0.0072 U	0.0072 U
	4.5-5		0.0073 U	0.0073 U	--	--	--	--	--	0.0073 U	0.0073 U	--	--	--	--	0.0073 U	--	0.0073 U	0.0073 U
KM-5	2-2.5	8/7/2009	0.0085 U	0.0085 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.0085 U	0.0085 U	0.21 U	0.21 U	0.21 U	0.21 U	0.0085 U	0.21 U	0.0085 U	0.0089
	6-6.5		0.007 U	0.007 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.01	0.007 U	0.18 U	0.18 U	0.18 U	0.18 U	0.007 U	0.18 U	0.037	0.062
KM-6	1.5-2	8/7/2009	0.0072 U	0.0072 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.011	0.0072 U	0.18 U	0.18 U	0.18 U	0.18 U	0.0072 U	0.18 U	0.0072 U	0.0072 U
	4-4.2		0.0071 U	0.0071 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.012	0.0071 U	0.18 U	0.18 U	0.18 U	0.18 U	0.0071 U	0.18 U	0.011	0.015
KM-7	1.8-2	8/7/2009	0.0098 U	0.0098 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.025	0.0098 U	0.49 U	0.49 U	0.49 U	0.49 U	0.0098 U	0.49 U	0.013	0.023
	6.8-7		0.0077 U	0.0077 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.0077 U	0.0077 U	0.19 U	0.19 U	0.19 U	0.19 U	0.0077 U	0.19 U	0.02	0.032
KM-8	1.8-2	8/7/2009	**0.64**	0.1	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	1.1	0.034	0.43 U	0.43 U	0.43 U	0.43 U	0.51	0.43 U	0.019	0.03
	6.8-7		0.013	0.0072 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.04	0.01	0.36 U	0.36 U	0.36 U	0.36 U	0.0082	0.36 U	0.12	0.21
KM-9	1.5-2	8/5/2009	0.0072 U	0.0072 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.0072 U	0.0072 U	0.036 U	0.036 U	0.036 U	0.036 U	0.0072 U	0.036 U	0.0072 U	0.0072 U
KM-10	1.2-1.5	8/6/2009	**3.2**	**0.5**	**1.4**	0.34 U	0.34 U	0.34 U	0.34 U	7.7	3	0.34 U	0.34 U	0.34 U	0.34 U	**1.3**	0.34 U	12	18
	5.2-5.5		**2**	0.35 U	**1.5**	0.35 U	0.35 U	0.35 U	0.35 U	5.3	3.6	0.35 U	0.35 U	0.35 U	0.35 U	**0.72**	0.35 U	12	16
KM-11	1.8-2	8/6/2009	**0.5**	0.21 U	**0.38**	0.21 U	0.21 U	0.21 U	0.21 U	1.4	1	0.21 U	0.21 U	0.21 U	0.21 U	0.29	0.21 U	4.1	3.3
KM-12	1.8-2	8/7/2009	0.007 U	0.007 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.007 U	0.007 U	0.18 U	0.18 U	0.18 U	0.18 U	0.007 U	0.18 U	0.007 U	0.007 U
KM-13	1.2-1.5	8/6/2009	0.007 U	0.007 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.007 U	0.007 U	0.035 U	0.035 U	0.035 U	0.035 U	0.007 U	0.035 U	0.007 U	0.007 U
KM-14	1.8-2	8/6/2009	**0.16**	0.04	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.21	0.023	0.037 U	0.037 U	0.037 U	0.037 U	0.11	0.037 U	0.04	0.042
KM-15	3.8-4	8/6/2009	**0.27**	0.081	0.044	0.04 U	0.04 U	0.04 U	0.04 U	0.3	0.013	0.04 U	0.04 U	0.04 U	0.04 U	0.24	0.04 U	0.086	0.11
KM-16	3.8-4	8/6/2009	**4**	**2.1**	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	2	0.073	0.18 U	0.18 U	0.18 U	0.18 U	**4.6**	0.18 U	0.023	0.036
	7.8-8		0.014 UJ	0.014 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.014 UJ	0.014 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.014 UJ	0.035 UJ	0.014 UJ	0.014 UJ
KM-22	6.5-7	8/23/2010	**0.093**	0.02	0.043 U	0.21 U	0.043 U	0.043 U	0.043 U	0.12	0.0085 U	0.043 U	0.043 U	0.043 U	0.043 U	0.053	0.043 U	0.0097	0.0085
	12.5-13		0.02	0.0078 U	0.039 U	0.2 U	0.039 U	0.039 U	0.039 U	0.051	0.0088	0.039 U	0.039 U	0.039 U	0.039 U	0.011	0.039 U	0.027	0.061
KM-23	7.5-8	8/23/2010	**0.09**	0.018	0.035 U	0.18 U	0.035 U	0.035 U	0.035 U	0.056	0.007 U	0.035 U	0.035 U	0.035 U	0.035 U	0.043	0.035 U	0.007 U	0.007 U
	10.5-11		0.0077 U	0.0077 U	0.038 U	0.19 U	0.038 U	0.038 U	0.038 U	0.0077 U	0.0077 U	0.038 U	0.038 U	0.038 U	0.038 U	0.0077 U	0.038 U	0.0077 U	0.0077 U
KM-24	7.5-8	8/23/2010	0.0073 U	0.0073 U	0.037 U	0.18 U	0.037 U	0.037 U	0.037 U	0.0073 U	0.0073 U	0.037 U	0.037 U	0.037 U	0.037 U	0.0073 U	0.037 U	0.0073 U	0.0073 U
	10.5-11		0.019	0.0081 U	0.04 U	0.2 U	0.04 U	0.04 U	0.04 U	0.023	0.0081 U	0.04 U	0.04 U	0.04 U	0.04 U	0.0081 U	0.04 U	0.0081 U	0.0081 U
KM-25	10.5-11	8/23/2010	**1.7**	0.34	0.05	0.19 U	0.037 U	0.037 U	0.037 U	4.5	0.22	0.037 U	0.037 U	0.037 U	0.037 U	**0.96**	0.037 U	0.018	0.012
KM-26	8-8.5	8/23/2010	0.007 U	0.007 U	0.035 U	0.17 U	0.035 U	0.035 U	0.035 U	0.0078	0.007 U	0.035 U	0.035 U	0.035 U	0.035 U	0.007 U	0.035 U	0.007 U	0.007 U
	11-11.5		0.0078 U	0.0078 U	0.039 U	0.19 U	0.039 U	0.039 U	0.039 U	0.0078 U	0.0078 U	0.039 U	0.039 U	0.039 U	0.039 U	0.0078 U	0.039 U	0.0078 U	0.0078 U

TABLE 5-5

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1,2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	Naphthalene	Nitrobenzene	N-Nitrosodimethylamine	N-Nitroso-di-n-propylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine	cPAHs TEQ[3]
Preliminary Screening Levels (mg/kg)			**0.25**	**0.10**	**0.033**	**0.033**	**0.1**	**0.17**	**--**	**11**	**655**	**3,500**	**0.19**
B7-Piping-B1	5.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-B2	5.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-B5	5.0	03/13/15	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-S1	4.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-S1B	4.0	03/13/15	--	--	--	--	--	--	--	--	--	--	--
B7-Piping-S2	4.0	02/27/15	--	--	--	--	--	--	--	--	--	--	--
B7-Trench-1	2.5	11/24/2009	3.6 U	3.6 U	3.6 U	3.6 U	0.18 U	0.9 U	0.65	3.6 U	2.2	3.6 U	**2.9**
B7-Trench-2	2.5	11/24/2009	**26 J**	3.7 UJ	3.7 UJ	3.7 UJ	0.19 UJ	0.94 UJ	1.6 J	3.7 UJ	6.4 J	3.7 UJ	**11**
B7-Trench-3	2.5	11/24/2009	**1.3**	0.19 U	0.19 U	0.19 U	0.19 U	0.94 U	10	0.19 U	27	0.19 U	**29**
Containment-E-Wall	9.5	10/27/2009	0.079	0.04 U	0.04 U	0.04 U	0.04 U	0.2 U	2	0.04 U	0.95	0.04 U	**0.42**
Containment-N-Wall	9.5	10/27/2009	0.0083 U	0.042 U	0.042 U	0.042 U	0.042 U	0.21 U	0.0083 U	0.042 U	0.0083 U	0.042 U	0.006 U
Containment-S-Wall	9.5	10/27/2009	0.033	0.041 U	0.041 U	0.041 U	0.041 U	0.2 U	0.2	0.041 U	0.13	0.041 U	0.06
Containment-W-Wall	9.5	10/28/2009	0.12	0.039 U	0.039 U	0.039 U	0.039 U	0.19 U	2.9	0.039 U	1.8	0.039 U	**0.92**
KM-1	1.5-2	8/5/2009	0.042 U	0.21 U	0.21 U	0.21 U	0.21 U	1 U	0.14	0.21 U	0.16	0.21 U	0.14
KM-2	1.5-2	8/5/2009	0.007 U	0.035 U	0.035 U	0.035 U	0.035 U	0.18 U	0.01	0.035 U	0.029	0.035 U	0.044
KMW-02	5-5.5	3/18/2011	0.015	--	--	--	--	--	0.15	--	0.31	--	**0.49**
KMW-04	2-2.5	3/17/2011	0.0072 U	--	--	--	--	--	0.0072 U	--	0.0072 U	--	0.0054 U
	4.5-5		0.0073 U	--	--	--	--	--	0.0073 U	--	0.0073 U	--	0.0055 U
KM-5	2-2.5	8/7/2009	0.015	0.21 U	0.21 U	0.21 U	0.21 U	1.1 U	0.0085 U	0.21 U	0.0085 U	0.21 U	0.006 U
	6-6.5		0.052	0.18 U	0.18 U	0.18 U	0.18 U	0.88 U	0.015	0.18 U	0.012	0.18 U	0.005 U
KM-6	1.5-2	8/7/2009	0.0072 U	0.18 U	0.18 U	0.18 U	0.18 U	0.9 U	0.014	0.18 U	0.012	0.18 U	0.005 U
	4-4.2		0.023	0.18 U	0.18 U	0.18 U	0.18 U	0.89 U	0.014	0.18 U	0.013	0.18 U	0.005 U
KM-7	1.8-2	8/7/2009	0.14	0.49 U	0.49 U	0.49 U	0.49 U	2.5 U	0.017	0.49 U	0.024	0.49 U	0.007 U
	6.8-7		0.0077 U	0.19 U	0.19 U	0.19 U	0.19 U	0.96 U	0.0077 U	0.19 U	0.0077 U	0.19 U	0.006 U
KM-8	1.8-2	8/7/2009	0.13	0.43 U	0.43 U	0.43 U	0.43 U	2.2 U	0.45	0.43 U	1.2	0.43 U	**1.0**
	6.8-7		**0.69**	0.36 U	0.36 U	0.36 U	0.36 U	1.8 U	0.034	0.36 U	0.054	0.36 U	0.019
KM-9	1.5-2	8/5/2009	0.0072 U	0.036 U	0.036 U	0.036 U	0.036 U	0.18 U	0.0072 U	0.036 U	0.0072 U	0.036 U	0.005 U
KM-10	1.2-1.5	8/6/2009	**71**	0.34 U	0.34 U	0.34 U	0.34 U	1.7 U	8.9	0.34 U	7.4	0.34 U	**2.8**
	5.2-5.5		**1.1**	0.35 U	0.35 U	0.35 U	0.35 U	1.8 U	9.1	0.35 U	4.7	0.35 U	**1.8**
KM-11	1.8-2	8/6/2009	**1**	0.21 U	0.21 U	0.21 U	0.21 U	1.1 U	3.5	0.21 U	1.8	0.21 U	**0.70**
KM-12	1.8-2	8/7/2009	0.007 U	0.18 U	0.18 U	0.18 U	0.18 U	0.88 U	0.007 U	0.18 U	0.007 U	0.18 U	0.005 U
KM-13	1.2-1.5	8/6/2009	0.007 U	0.035 U	0.035 U	0.035 U	0.035 U	0.18 U	0.007 U	0.035 U	0.007 U	0.035 U	0.005 U
KM-14	1.8-2	8/6/2009	0.025	0.037 U	0.037 U	0.037 U	0.037 U	0.19 U	0.16	0.037 U	0.24	0.037 U	0.20
KM-15	3.8-4	8/6/2009	0.086	0.04 U	0.04 U	0.04 U	0.04 U	0.2 U	0.2	0.04 U	0.29	0.04 U	**0.35**
KM-16	3.8-4	8/6/2009	0.07	0.18 U	0.18 U	0.18 U	0.18 U	0.91 U	0.89	0.18 U	1.9	0.18 U	**5.7**
	7.8-8		0.014 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.035 UJ	0.18 UJ	0.014 UJ	0.035 UJ	0.014 UJ	0.035 UJ	0.011 U
KM-22	6.5-7	8/23/2010	0.024	0.043 U	0.043 U	0.043 U	0.043 U	0.21 U	0.076	0.043 U	0.14	0.43 U	0.12
	12.5-13		0.2	0.039 U	0.039 U	0.039 U	0.039 U	0.2 U	0.061	0.039 U	0.063	0.39 U	0.021
KM-23	7.5-8	8/23/2010	0.007 U	0.035 U	0.035 U	0.035 U	0.035 U	0.18 U	0.01	0.035 U	0.052	0.35 U	0.081
	10.5-11		0.0077 U	0.038 U	0.038 U	0.038 U	0.038 U	0.19 U	0.0077 U	0.038 U	0.0077 U	0.38 U	0.006 U
KM-24	7.5-8	8/23/2010	0.0073 U	0.037 U	0.037 U	0.037 U	0.037 U	0.18 U	0.0073 U	0.037 U	0.0073 U	0.37 U	0.006 U
	10.5-11		0.0081 U	0.04 U	0.04 U	0.04 U	0.04 U	0.2 U	0.0081 U	0.04 U	0.016	0.4 U	0.007
KM-25	10.5-11	8/23/2010	0.012	0.037 U	0.037 U	0.037 U	0.037 U	0.19 U	2	0.037 U	3.6	0.37 U	**2.1**
KM-26	8-8.5	8/23/2010	0.007 U	0.035 U	0.035 U	0.035 U	0.035 U	0.17 U	0.007 U	0.035 U	0.007 U	0.35 U	0.005 U
	11-11.5		0.0078 U	0.039 U	0.039 U	0.039 U	0.039 U	0.19 U	0.0078 U	0.039 U	0.0078 U	0.39 U	0.006 U

TABLE 5-5

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1,2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	(3+4)-Methylphenol (m,p-Cresol)	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,2-Dinitrobenzene	1,2-Diphenylhydrazine	1,3-Dichlorobenzene	1,3-Dinitrobenzene	1,4-Dichlorobenzene	1,4-Dinitrobenzene	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,3-Dichloroaniline	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol
Preliminary Screening Levels (mg/kg)			**17,500**	**0.03**	**2.4**	**350**	**164**	**--**	**350**	**0.05**	**350**	**105,000**	**--**	**--**	**29**	**0.03**	**0.2**	**1.3**	**0.33**
KM-27	8-8.5	8/24/2010	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.18 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.88 U	0.18 U
	10.5-11		0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.2 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.99 U	0.2 U
KM-28	8.5-9	8/24/2010	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.18 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.92 U	0.18 U
	10.5-11		0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.18 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.92 U	0.18 U
KM-29	7.5-8	8/24/2010	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.18 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.89 U	0.18 U
	10.5-11		0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.18 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.9 U	0.18 U
KM-30	2-2.5	3/23/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4.75-5.25		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-30-Bot	5.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-30-EW	4.0	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-30-NW	4.0	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-30-SW	5.0	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-30-WW	4.0	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-31	2.5-3	3/22/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-32	2.5-3	3/22/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-32-Bot	2.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-32-EW	1.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-32-NW	1.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-32-SW	1.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-32-WW	1.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-33	4-4.5	3/22/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-34	2-2.5	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4-4.5		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-35	2-2.5	3/22/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6.5-7		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-36	2-2.5	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6-6.5		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-37	2-2.5	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5-5.5		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-39	2-2.75	3/24/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2-2.75 (FD)		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4.5-5		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-39-B1	4.5	03/15/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-39-EW	3.5	03/15/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-39-NW	3.5	03/15/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-39-SW	3.5	03/15/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-39-WW	3.5	03/15/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-41	2.75-3.25	3/24/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4.25-4.75		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 5-5

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1,2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylphenol (o-Cresol)	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chloroaniline	4-Chlorophenyl phenyl ether	4-Nitroaniline	4-Nitrophenol	Acenaphthene
Preliminary Screening Levels (mg/kg)			**0.03**	**0.03**	**280,000**	**0.47**	**2.3**	**35,000**	**--**	**0.17**	**--**	**--**	**--**	**--**	**0.17**	**--**	**--**	**--**	**66**
KM-27	8-8.5	8/24/2010	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.35 U	0.035 U	0.18 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.0071 U
	10.5-11		0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.4 U	0.04 U	0.2 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.0079 U
KM-28	8.5-9	8/24/2010	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.37 U	0.037 U	0.18 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.0073 U
	10.5-11		0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.37 U	0.037 U	0.18 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.0073 U
KM-29	7.5-8	8/24/2010	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.35 U	0.035 U	0.18 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.0071 U
	10.5-11		0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.36 U	0.036 U	0.18 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.0072 U
KM-30	2-2.5	3/23/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.18
	4.75-5.25		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.92
KM-30-Bot	5.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-30-EW	4.0	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-30-NW	4.0	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-30-SW	5.0	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-30-WW	4.0	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-31	2.5-3	3/22/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0073 U
KM-32	2.5-3	3/22/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.069
KM-32-Bot	2.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-32-EW	1.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-32-NW	1.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-32-SW	1.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-32-WW	1.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-33	4-4.5	3/22/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.36
KM-34	2-2.5	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0069 U
	4-4.5		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.007 U
KM-35	2-2.5	3/22/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0071 U
	6.5-7		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.036 U
KM-36	2-2.5	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0077 U
	6-6.5		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0075 U
KM-37	2-2.5	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0089 U
	5-5.5		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0074 U
KM-39	2-2.75	3/24/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.7
	2-2.75 (FD)		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.6
	4.5-5		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.94
KM-39-B1	4.5	03/15/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-39-EW	3.5	03/15/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-39-NW	3.5	03/15/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-39-SW	3.5	03/15/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-39-WW	3.5	03/15/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-41	2.75-3.25	3/24/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.82
	4.25-4.75		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.5

TABLE 5-5

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1,2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	Acenaphthylene	Aniline	Anthracene	Benzidine	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Benzyl alcohol	bis(2-Chloroethoxy)methane	bis(2-Chloroethyl) ether	bis(2-Chloroisopropyl) ether	bis(2-Ethylhexyl) phthalate	bis-2-Ethylhexyl adipate	Butyl benzyl phthalate	Carbazole
Preliminary Screening Levels (mg/kg)			--	23,026	2,275	0.57	0.07	0.19	0.2	--	0.25	350,000	--	0.033	--	2.6	109,375	2.3	--
KM-27	8-8.5	8/24/2010	0.0071 U	0.035 U	0.0071 U	0.35 U	0.0071 U	0.0071 U	0.0071 U	0.0071 U	0.0071 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U
	10.5-11		0.0079 U	0.04 U	0.0079 U	0.4 U	0.0079 U	0.0079 U	0.0079 U	0.0079 U	0.0079 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
KM-28	8.5-9	8/24/2010	0.0073 U	0.037 U	0.0073 U	0.37 U	0.0073 U	0.0073 U	0.0073 U	0.0073 U	0.0073 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U
	10.5-11		0.0073 U	0.037 U	0.0073 U	0.37 U	0.0073 U	0.0073 U	0.0073 U	0.0073 U	0.0073 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U
KM-29	7.5-8	8/24/2010	0.0071 U	0.035 U	0.0071 U	0.35 U	0.0071 U	0.0071 U	0.0071 U	0.0071 U	0.0071 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U
	10.5-11		0.0072 U	0.036 U	0.0072 U	0.36 U	0.0072 U	0.0072 U	0.0072 U	0.0072 U	0.0072 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U
KM-30	2-2.5	3/23/2011	0.053	--	0.18	--	**0.37**	**0.37**	**0.48**	0.4	**0.39**	--	--	--	--	--	--	--	--
	4.75-5.25		0.47 U	--	0.56	--	**1.5**	**1.4**	**1.7**	1.1	**1.2**	--	--	--	--	--	--	--	--
KM-30-Bot	5.5	2/26/2015	--	--	--	--	**0.30**	**0.25**	**0.22**	--	0.15	--	--	--	--	--	--	--	--
KM-30-EW	4.0	2/26/2015	--	--	--	--	**0.32**	**0.3**	**0.24**	--	0.16	--	--	--	--	--	--	--	--
KM-30-NW	4.0	2/26/2015	--	--	--	--	0.0081 U	0.0081 U	0.0081 U	--	0.0081 U	--	--	--	--	--	--	--	--
KM-30-SW	5.0	2/26/2015	--	--	--	--	**0.62**	**0.55**	**0.34**	--	**0.37**	--	--	--	--	--	--	--	--
KM-30-WW	4.0	2/26/2015	--	--	--	--	**0.78**	**0.69**	**0.54**	--	**0.37**	--	--	--	--	--	--	--	--
KM-31	2.5-3	3/22/2011	0.01	--	0.022	--	**0.19**	**0.25**	0.15	0.32	0.1	--	--	--	--	--	--	--	--
KM-32	2.5-3	3/22/2011	0.0073 U	--	0.73 U	--	**23**	**24**	**28**	16	**23**	--	--	--	--	--	--	--	--
KM-32-Bot	2.5	2/26/2015	--	--	--	--	**1.7**	**1.9**	**2.5**	--	**1.4**	--	--	--	--	--	--	--	--
KM-32-EW	1.5	2/26/2015	--	--	--	--	**2.8**	**3.7**	**6.0**	--	**2.6**	--	--	--	--	--	--	--	--
KM-32-NW	1.5	2/26/2015	--	--	--	--	**0.84**	**1.2**	**1.6**	--	**0.96**	--	--	--	--	--	--	--	--
KM-32-SW	1.5	2/26/2015	--	--	--	--	**1.6**	**2.0**	**2.8**	--	**1.7**	--	--	--	--	--	--	--	--
KM-32-WW	1.5	2/26/2015	--	--	--	--	**3.8**	**3.3**	**10**	--	**3.5**	--	--	--	--	--	--	--	--
KM-33	4-4.5	3/22/2011	0.053	--	0.37	--	**0.11**	0.033	0.035	0.025	0.024	--	--	--	--	--	--	--	--
KM-34	2-2.5	3/21/2011	0.0069 U	--	0.0069 U	--	0.0069 U	0.0069 U	0.0069 U	0.0069 U	0.0069 U	--	--	--	--	--	--	--	--
	4-4.5		0.007 U	--	0.007 U	--	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	--	--	--	--	--	--	--	--
KM-35	2-2.5	3/22/2011	0.0071 U	--	0.0071 U	--	0.017	0.017	0.013	0.012	0.014	--	--	--	--	--	--	--	--
	6.5-7		0.036 U	--	0.048	--	**3.7**	**3.2**	**5.9**	2.5	**4**	--	--	--	--	--	--	--	--
KM-36	2-2.5	3/21/2011	0.0077 U	--	0.0077 U	--	0.0077 U	0.0077 U	0.0077 U	0.0077 U	0.0077 U	--	--	--	--	--	--	--	--
	6-6.5		0.0075 U	--	0.0075 U	--	0.0075 U	0.0075 U	0.0075 U	0.0075 U	0.0075 U	--	--	--	--	--	--	--	--
KM-37	2-2.5	3/21/2011	0.012	--	0.012	--	0.035	0.05	0.05	0.066	0.04	--	--	--	--	--	--	--	--
	5-5.5		0.0074 U	--	0.0074 U	--	0.036	0.052	0.041	0.067	0.043	--	--	--	--	--	--	--	--
KM-39	2-2.75	3/24/2011	0.38 U	--	0.72	--	**0.56**	**0.4**	**0.47**	0.38 U	0.4	--	--	--	--	--	--	--	--
	2-2.75 (FD)		0.36 U	--	0.77	--	**0.56**	**0.42**	**0.45**	0.36 U	0.36 U	--	--	--	--	--	--	--	--
	4.5-5		0.046	--	0.27	--	**0.18**	0.15	**0.14**	0.12	0.11	--	--	--	--	--	--	--	--
KM-39-B1	4.5	03/15/15	--	--	--	--	**0.15**	0.12	0.14	--	0.051	--	--	--	--	--	--	--	--
KM-39-EW	3.5	03/15/15	--	--	--	--	**3.5**	**4.5**	**5**	--	**1.7**	--	--	--	--	--	--	--	--
KM-39-NW	3.5	03/15/15	--	--	--	--	**0.10**	0.088	0.1	--	0.035	--	--	--	--	--	--	--	--
KM-39-SW	3.5	03/15/15	--	--	--	--	0.074	0.071	0.078	--	0.022	--	--	--	--	--	--	--	--
KM-39-WW	3.5	03/15/15	--	--	--	--	**0.18**	0.15	**0.22**	--	0.061	--	--	--	--	--	--	--	--
KM-41	2.75-3.25	3/24/2011	0.52 U	--	0.52 U	--	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	--	--	--	--	--	--	--	--
	4.25-4.75		0.85 U	--	0.96	--	**0.99**	0.85 U	0.85 U	0.85 U	0.85 U	--	--	--	--	--	--	--	--

TABLE 5-5

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1,2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	Chrysene	Dibenz[a,h]anthracene	Dibenzofuran	Diethyl phthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno[1,2,3-cd]pyrene	Isophorone	1-Methylnaphthalene	2-Methylnaphthalene
Preliminary Screening Levels (mg/kg)			**0.08**	**0.36**	**0.09**	**72**	**1088**	**58**	**35,000**	**85**	**101**	**1.6**	**1.1**	**160**	**0.04**	**0.7**	**0.04**	**4,526**	**14,000**
KM-27	8-8.5	8/24/2010	0.0071 U	0.0071 U	0.035 U	0.18 U	0.035 U	0.035 U	0.035 U	0.0071 U	0.0071 U	0.035 U	0.035 U	0.035 U	0.035 U	0.0071 U	0.035 U	0.0071 U	0.0071 U
	10.5-11		0.0079 U	0.0079 U	0.04 U	0.2 U	0.04 U	0.04 U	0.04 U	0.0079 U	0.0079 U	0.04 U	0.04 U	0.04 U	0.04 U	0.0079 U	0.04 U	0.0079 U	0.0079 U
KM-28	8.5-9	8/24/2010	0.0073 U	0.0073 U	0.037 U	0.18 U	0.037 U	0.037 U	0.037 U	0.0073 U	0.0073 U	0.037 U	0.037 U	0.037 U	0.037 U	0.0073 U	0.037 U	0.0073 U	0.0073 U
	10.5-11		0.0073 U	0.0073 U	0.037 U	0.18 U	0.037 U	0.037 U	0.037 U	0.0073 U	0.0073 U	0.037 U	0.037 U	0.037 U	0.037 U	0.0073 U	0.037 U	0.0073 U	0.0073 U
KM-29	7.5-8	8/24/2010	0.0071 U	0.0071 U	0.035 U	0.18 U	0.035 U	0.035 U	0.035 U	0.0071 U	0.0071 U	0.035 U	0.035 U	0.035 U	0.035 U	0.0071 U	0.035 U	0.0071 U	0.0071 U
	10.5-11		0.0072 U	0.0072 U	0.036 U	0.18 U	0.036 U	0.036 U	0.036 U	0.0072 U	0.0072 U	0.036 U	0.036 U	0.036 U	0.036 U	0.0072 U	0.036 U	0.0072 U	0.0072 U
KM-30	2-2.5	3/23/2011	**0.54**	0.12	--	--	--	--	--	0.72	0.25	--	--	--	--	0.33	--	0.47	0.73
	4.75-5.25		**2.1**	0.47 U	--	--	--	--	--	2.8	0.71	--	--	--	--	**0.82**	--	1.5	1.7
KM-30-Bot	5.5	2/26/2015	**0.30**	0.057	--	--	--	--	--	--	--	--	--	--	--	0.14	--	--	--
KM-30-EW	4.0	2/26/2015	**0.35**	0.082	--	--	--	--	--	--	--	--	--	--	--	0.15	--	--	--
KM-30-NW	4.0	2/26/2015	0.0081 U	0.0081 U	--	--	--	--	--	--	--	--	--	--	--	0.0081 U	--	--	--
KM-30-SW	5.0	2/26/2015	**0.66**	0.14	--	--	--	--	--	--	--	--	--	--	--	0.26	--	--	--
KM-30-WW	4.0	2/26/2015	**0.79**	0.17	--	--	--	--	--	--	--	--	--	--	--	0.33	--	--	--
KM-31	2.5-3	3/22/2011	**0.23**	0.16	--	--	--	--	--	0.14	0.0073 U	--	--	--	--	0.14	--	0.0073 U	0.0073 U
KM-32	2.5-3	3/22/2011	**29**	**5.5**	--	--	--	--	--	21	0.038	--	--	--	--	**15**	--	0.018	0.024
KM-32-Bot	2.5	2/26/2015	**2.1**	**0.59**	--	--	--	--	--	--	--	--	--	--	--	**1.2**	--	--	--
KM-32-EW	1.5	2/26/2015	**3.9**	**1.6**	--	--	--	--	--	--	--	--	--	--	--	**2.8**	--	--	--
KM-32-NW	1.5	2/26/2015	**1.3**	**0.46**	--	--	--	--	--	--	--	--	--	--	--	**0.87**	--	--	--
KM-32-SW	1.5	2/26/2015	**2.1**	**0.68**	--	--	--	--	--	--	--	--	--	--	--	**1.3**	--	--	--
KM-32-WW	1.5	2/26/2015	**7.9**	**1.7**	--	--	--	--	--	--	--	--	--	--	--	**3.2**	--	--	--
KM-33	4-4.5	3/22/2011	**0.14**	0.0085 U	--	--	--	--	--	0.5	0.66	--	--	--	--	0.018	--	1.1	0.62
KM-34	2-2.5	3/21/2011	0.0069 U	0.0069 U	--	--	--	--	--	0.0069 U	0.0069 U	--	--	--	--	0.0069 U	--	0.0069 U	0.0069 U
	4-4.5		0.007 U	0.007 U	--	--	--	--	--	0.007 U	0.007 U	--	--	--	--	0.007 U	--	0.007 U	0.007 U
KM-35	2-2.5	3/22/2011	0.021	0.0071 U	--	--	--	--	--	0.027	0.0071 U	--	--	--	--	0.0098	--	0.0071 U	0.0071 U
	6.5-7		**5.7**	**1.1**	--	--	--	--	--	1.5	0.036 U	--	--	--	--	**2.3**	--	0.07	0.1
KM-36	2-2.5	3/21/2011	0.0077 U	0.0077 U	--	--	--	--	--	0.0077 U	0.0077 U	--	--	--	--	0.0077 U	--	0.0084	0.0091
	6-6.5		0.0075 U	0.0075 U	--	--	--	--	--	0.0075 U	0.0075 U	--	--	--	--	0.0075 U	--	0.016	0.02
KM-37	2-2.5	3/21/2011	0.064	0.014	--	--	--	--	--	0.082	0.0089 U	--	--	--	--	0.048	--	0.035	0.036
	5-5.5		0.054	0.01	--	--	--	--	--	0.058	0.0074 U	--	--	--	--	0.045	--	0.009	0.013
KM-39	2-2.75	3/24/2011	**0.77**	0.38 U	--	--	--	--	--	1.9	1.8	--	--	--	--	0.38 U	--	6.7	10
	2-2.75 (FD)		**0.76**	0.36 U	--	--	--	--	--	2.2	1.9	--	--	--	--	0.36 U	--	7.1	11
	4.5-5		**0.24**	0.033	--	--	--	--	--	0.64	0.66	--	--	--	--	0.092	--	2	2.6
KM-39-B1	4.5	03/15/15	**0.18**	0.036 U	--	--	--	--	--	--	--	--	--	--	--	0.075	--	--	--
KM-39-EW	3.5	03/15/15	**4.3**	**0.64**	--	--	--	--	--	--	--	--	--	--	--	**2.9**	--	--	--
KM-39-NW	3.5	03/15/15	**0.12**	0.014	--	--	--	--	--	--	--	--	--	--	--	0.043	--	--	--
KM-39-SW	3.5	03/15/15	**0.089**	0.0085	--	--	--	--	--	--	--	--	--	--	--	0.036	--	--	--
KM-39-WW	3.5	03/15/15	**0.22**	0.036 U	--	--	--	--	--	--	--	--	--	--	--	0.096	--	--	--
KM-41	2.75-3.25	3/24/2011	0.52 U	0.52 U	--	--	--	--	--	0.64	0.52 U	--	--	--	--	0.52 U	--	5.1	7.3
	4.25-4.75		**1.4**	0.85 U	--	--	--	--	--	3.2	2.1	--	--	--	--	0.85 U	--	17	24

TABLE 5-5

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1,2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	Naphthalene	Nitrobenzene	N-Nitrosodimethylamine	N-Nitroso-di-n-propylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine	cPAHs TEQ[3]
Preliminary Screening Levels (mg/kg)			**0.25**	**0.10**	**0.033**	**0.033**	**0.1**	**0.17**	**--**	**11**	**655**	**3,500**	**0.19**
KM-27	8-8.5	8/24/2010	0.0071 U	0.035 U	0.035 U	0.035 U	0.035 U	0.18 U	0.0071 U	0.035 U	0.0071 U	0.35 U	0.005 U
	10.5-11		0.0079 U	0.04 U	0.04 U	0.04 U	0.04 U	0.2 U	0.0079 U	0.04 U	0.0079 U	0.4 U	0.006 U
KM-28	8.5-9	8/24/2010	0.0073 U	0.037 U	0.037 U	0.037 U	0.037 U	0.18 U	0.0073 U	0.037 U	0.0073 U	0.37 U	0.006 U
	10.5-11		0.0073 U	0.037 U	0.037 U	0.037 U	0.037 U	0.18 U	0.0073 U	0.037 U	0.0073 U	0.37 U	0.006 U
KM-29	7.5-8	8/24/2010	0.0071 U	0.035 U	0.035 U	0.035 U	0.035 U	0.18 U	0.0071 U	0.035 U	0.0071 U	0.35 U	0.005 U
	10.5-11		0.0072 U	0.036 U	0.036 U	0.036 U	0.036 U	0.18 U	0.0072 U	0.036 U	0.0072 U	0.36 U	0.005 U
KM-30	2-2.5	3/23/2011	**1.2**	--	--	--	--	--	1	--	0.74	--	**0.54**
	4.75-5.25		**1.3**	--	--	--	--	--	3.2	--	2.5	--	**2.0**
KM-30-Bot	5.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	**0.34**
KM-30-EW	4.0	2/26/2015	--	--	--	--	--	--	--	--	--	--	**0.40**
KM-30-NW	4.0	2/26/2015	--	--	--	--	--	--	--	--	--	--	0.006
KM-30-SW	5.0	2/26/2015	--	--	--	--	--	--	--	--	--	--	**0.73**
KM-30-WW	4.0	2/26/2015	--	--	--	--	--	--	--	--	--	--	**0.92**
KM-31	2.5-3	3/22/2011	0.0073 U	--	--	--	--	--	0.12	--	0.19	--	**0.33**
KM-32	2.5-3	3/22/2011	0.041	--	--	--	--	--	4	--	21	--	**34**
KM-32-Bot	2.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	**2.7**
KM-32-EW	1.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	**5.3**
KM-32-NW	1.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	**1.7**
KM-32-SW	1.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	**2.8**
KM-32-WW	1.5	2/26/2015	--	--	--	--	--	--	--	--	--	--	**5.6**
KM-33	4-4.5	3/22/2011	**0.36**	--	--	--	--	--	0.59	--	0.41	--	0.054
KM-34	2-2.5	3/21/2011	0.0069 U	--	--	--	--	--	0.0069 U	--	0.0069 U	--	0.0052 U
	4-4.5		0.007 U	--	--	--	--	--	0.007 U	--	0.007 U	--	0.005 U
KM-35	2-2.5	3/22/2011	0.0071 U	--	--	--	--	--	0.0071 U	--	0.031	--	0.023
	6.5-7		0.063	--	--	--	--	--	0.33	--	1.6	--	**5.0**
KM-36	2-2.5	3/21/2011	0.0087	--	--	--	--	--	0.0077 U	--	0.0077 U	--	0.0058 U
	6-6.5		0.0075 U	--	--	--	--	--	0.0075 U	--	0.0075 U	--	0.0057 U
KM-37	2-2.5	3/21/2011	0.025	--	--	--	--	--	0.072	--	0.082	--	0.069
	5-5.5		0.0074 U	--	--	--	--	--	0.027	--	0.084	--	0.070
KM-39	2-2.75	3/24/2011	**5.6**	--	--	--	--	--	4	--	1.7	--	**0.59**
	2-2.75 (FD)		**5.8**	--	--	--	--	--	4.2	--	2	--	**0.58**
	4.5-5		0.045	--	--	--	--	--	1.5	--	0.61	--	0.21
KM-39-B1	4.5	03/15/15	--	--	--	--	--	--	--	--	--	--	0.17
KM-39-EW	3.5	03/15/15	--	--	--	--	--	--	--	--	--	--	**5.9**
KM-39-NW	3.5	03/15/15	--	--	--	--	--	--	--	--	--	--	0.12
KM-39-SW	3.5	03/15/15	--	--	--	--	--	--	--	--	--	--	0.09
KM-39-WW	3.5	03/15/15	--	--	--	--	--	--	--	--	--	--	**0.21**
KM-41	2.75-3.25	3/24/2011	**12**	--	--	--	--	--	1.4	--	0.56	--	0.39 U
	4.25-4.75		**37**	--	--	--	--	--	8.1	--	3.1	--	**0.71**

TABLE 5-5

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1,2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	(3+4)-Methylphenol (m,p-Cresol)	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,2-Dinitrobenzene	1,2-Diphenylhydrazine	1,3-Dichlorobenzene	1,3-Dinitrobenzene	1,4-Dichlorobenzene	1,4-Dinitrobenzene	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,3-Dichloroaniline	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol
Preliminary Screening Levels (mg/kg)			**17,500**	**0.03**	**2.4**	**350**	**164**	**--**	**350**	**0.05**	**350**	**105,000**	**--**	**--**	**29**	**0.03**	**0.2**	**1.3**	**0.33**
KM-41-B1	6.0	03/06/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-41-EW	4.0	03/06/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-41-NW	4.0	03/06/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-41-SW	4.0	03/06/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-41-WW	4.0	03/06/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pipe-1	5.5	10/28/2009	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.29 U
Pipe-C1	5.5	1/17/2009	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.19 U
Product-N-Wall	9	10/22/2009	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.21 U
Product-E1-Wall	9	10/22/2009	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.19 U
Product-E2-Wall	9	10/22/2009	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.19 U
Product-S-Wall	9	10/20/2009	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.2 U
Product-W1b-Wall	9.5	5/3/2010	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.19 U
Product-W2b-Wall	9.5	5/3/2010	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.18 U
Tank-1-B	9.5	10/27/2009	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.22 U
Tank-2-B	9.5	10/27/2009	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.21 U
Tank-3-B	9.5	10/20/2009	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.19 U
Tank-4-B2	9.5	5/3/2010	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.2 U
Tank-5-B	9.5	10/21/2009	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.2 U
Tank-6-B	9.5	10/21/2009	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.19 U
Tank-7-B	9.5	10/22/2009	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.19 U
Tank-8-B	9.5	10/22/2009	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.2 U
Tank-9-B	9.5	10/22/2009	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.19 U

TABLE 5-5

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1,2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylphenol (o-Cresol)	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chloroaniline	4-Chlorophenyl phenyl ether	4-Nitroaniline	4-Nitrophenol	Acenaphthene
Preliminary Screening Levels (mg/kg)			**0.03**	**0.03**	**280,000**	**0.47**	**2.3**	**35,000**	**--**	**0.17**	**--**	**--**	**--**	**--**	**0.17**	**--**	**--**	**--**	**66**
KM-41-B1	6.0	03/06/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-41-EW	4.0	03/06/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-41-NW	4.0	03/06/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-41-SW	4.0	03/06/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-41-WW	4.0	03/06/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pipe-1	5.5	10/28/2009	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.57 U	0.057 U	0.29 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.011 U
Pipe-C1	5.5	1/17/2009	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.37 U	0.037 U	0.19 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.01
Product-N-Wall	9	10/22/2009	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.42 U	0.042 U	0.21 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.025
Product-E1-Wall	9	10/22/2009	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.37 U	0.037 U	0.19 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.0075 U
Product-E2-Wall	9	10/22/2009	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.38 U	0.038 U	0.19 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.0077 U
Product-S-Wall	9	10/20/2009	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.41 U	0.041 U	0.2 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.0081 U
Product-W1b-Wall	9.5	5/3/2010	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.37 U	0.037 U	0.19 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.0075 U
Product-W2b-Wall	9.5	5/3/2010	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.36 U	0.036 U	0.18 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.0072 U
Tank-1-B	9.5	10/27/2009	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.43 U	0.043 U	0.22 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.69
Tank-2-B	9.5	10/27/2009	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.42 U	0.042 U	0.21 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.0083 U
Tank-3-B	9.5	10/20/2009	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.39 U	0.039 U	0.19 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.0078 U
Tank-4-B2	9.5	5/3/2010	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.4 U	0.04 U	0.2 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.0079 U
Tank-5-B	9.5	10/21/2009	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.4 U	0.04 U	0.2 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.0079 U
Tank-6-B	9.5	10/21/2009	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.37 U	0.037 U	0.19 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.0075 U
Tank-7-B	9.5	10/22/2009	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.38 U	0.038 U	0.19 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.0076 U
Tank-8-B	9.5	10/22/2009	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.39 U	0.039 U	0.2 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.0078 U
Tank-9-B	9.5	10/22/2009	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.37 U	0.037 U	0.19 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.052

TABLE 5-5

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1,2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	Acenaphthylene	Aniline	Anthracene	Benzidine	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Benzyl alcohol	bis(2-Chloroethoxy)methane	bis(2-Chloroethyl) ether	bis(2-Chloroisopropyl) ether	bis(2-Ethylhexyl) phthalate	bis-2-Ethylhexyl adipate	Butyl benzyl phthalate	Carbazole
Preliminary Screening Levels (mg/kg)			**--**	**23,026**	**2,275**	**0.57**	**0.07**	**0.19**	**0.2**	**--**	**0.25**	**350,000**	**--**	**0.033**	**--**	**2.6**	**109,375**	**2.3**	**--**
KM-41-B1	6.0	03/06/15	--	--	--	--	0.014	0.11	0.13	--	0.022	--	--	--	--	--	--	--	--
KM-41-EW	4.0	03/06/15	--	--	--	--	0.0081 U	0.068	0.048	--	0.0081 U	--	--	--	--	--	--	--	--
KM-41-NW	4.0	03/06/15	--	--	--	--	0.044	0.048	0.053	--	0.018	--	--	--	--	--	--	--	--
KM-41-SW	4.0	03/06/15	--	--	--	--	**0.14**	0.11	0.035	--	0.035	--	--	--	--	--	--	--	--
KM-41-WW	4.0	03/06/15	--	--	--	--	0.025	**0.27**	0.0091	--	0.0083 U	--	--	--	--	--	--	--	--
Pipe-1	5.5	10/28/2009	0.011 U	0.057 U	0.011 U	0.57 U	0.017	0.025	0.037	0.031	0.013	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U
Pipe-C1	5.5	1/17/2009	0.0075 U	0.037 U	0.021	0.37 U	0.028	0.039	0.038	0.041	0.029	0.037 U	0.037 U	0.037 U	0.037 U	0.2	0.037 U	0.037 U	0.037 U
Product-N-Wall	9	10/22/2009	0.0084 U	0.042 U	0.064	0.42 U	**0.16**	0.13	0.18	0.079	0.063	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U
Product-E1-Wall	9	10/22/2009	0.0075 U	0.037 U	0.0075 U	0.37 U	0.0075 U	0.0075 U	0.0075 U	0.0075 U	0.0075 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U
Product-E2-Wall	9	10/22/2009	0.0077 U	0.038 U	0.0077 U	0.38 U	0.0077 U	0.0077 U	0.0077 U	0.0077 U	0.0077 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U
Product-S-Wall	9	10/20/2009	0.0081 U	0.041 U	0.0081 U	0.41 U	0.0081 U	0.0081 U	0.0088	0.0081 U	0.0081 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U
Product-W1b-Wall	9.5	5/3/2010	0.0075 U	0.037 U	0.0075 U	0.37 U	0.0075 U	0.0075 U	0.0075 U	0.0075 U	0.0075 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U
Product-W2b-Wall	9.5	5/3/2010	0.0072 U	0.036 U	0.014	0.36 U	0.043	0.058	0.044	0.049	0.043	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U
Tank-1-B	9.5	10/27/2009	0.043 U	0.043 U	0.043 U	0.43 U	0.068	0.09	0.12	0.085	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.33
Tank-2-B	9.5	10/27/2009	0.0083 U	0.042 U	0.0083 U	0.42 U	0.0083 U	0.0083 U	0.0083 U	0.0083 U	0.0083 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U
Tank-3-B	9.5	10/20/2009	0.0078 U	0.039 U	0.01	0.39 U	0.061	0.079	0.13	0.08	0.043	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U
Tank-4-B2	9.5	5/3/2010	0.0079 U	0.04 U	0.0079 U	0.4 U	0.045	0.054	0.076	0.055	0.057	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Tank-5-B	9.5	10/21/2009	0.0079 U	0.04 U	0.0079 U	0.4 U	0.0079 U	0.0079 U	0.0079 U	0.0079 U	0.0079 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Tank-6-B	9.5	10/21/2009	0.0075 U	0.037 U	0.022	0.37 U	**0.1**	0.09	0.12	0.061	0.037	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U
Tank-7-B	9.5	10/22/2009	0.0076 U	0.038 U	0.0076 U	0.38 U	0.011	0.013	0.024	0.011	0.0076 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U
Tank-8-B	9.5	10/22/2009	0.0078 U	0.039 U	0.0078 U	0.39 U	0.022	0.025	0.066	0.024	0.016	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U
Tank-9-B	9.5	10/22/2009	0.0074 U	0.037 U	0.041	0.37 U	0.086	0.084	0.11	0.069	0.037	0.037 U	0.037 U	0.037 U	0.037 U	0.049	0.037 U	0.037 U	0.041

TABLE 5-5

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1,2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	Chrysene	Dibenz[a,h]anthracene	Dibenzofuran	Diethyl phthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno[1,2,3-cd]pyrene	Isophorone	1-Methylnaphthalene	2-Methylnaphthalene
Preliminary Screening Levels (mg/kg)			**0.08**	**0.36**	**0.09**	**72**	**1088**	**58**	**35,000**	**85**	**101**	**1.6**	**1.1**	**160**	**0.04**	**0.7**	**0.04**	**4,526**	**14,000**
KM-41-B1	6.0	03/06/15	0.047	0.045	--	--	--	--	--	--	--	--	--	--	--	0.17	--	--	--
KM-41-EW	4.0	03/06/15	0.01	0.025	--	--	--	--	--	--	--	--	--	--	--	0.089	--	--	--
KM-41-NW	4.0	03/06/15	0.019	0.057	--	--	--	--	--	--	--	--	--	--	--	0.45	--	--	--
KM-41-SW	4.0	03/06/15	**0.13**	0.016	--	--	--	--	--	--	--	--	--	--	--	0.051	--	--	--
KM-41-WW	4.0	03/06/15	0.0083 U	0.076	--	--	--	--	--	--	--	--	--	--	--	0.67	--	--	--
Pipe-1	5.5	10/28/2009	0.023	0.011 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.045	0.011 U	0.057 U	0.057 U	0.057 U	0.057 U	0.024	0.057 U	0.013	0.011
Pipe-C1	5.5	1/17/2009	0.044	0.01	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.082	0.0093	0.037 U	0.037 U	0.037 U	0.037 U	0.029	0.037 U	0.0075 U	0.0075 U
Product-N-Wall	9	10/22/2009	**0.23**	0.024	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.52	0.05	0.042 U	0.042 U	0.042 U	0.042 U	0.062	0.042 U	0.012	0.019
Product-E1-Wall	9	10/22/2009	0.0075 U	0.0075 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.0075 U	0.0075 U	0.037 U	0.037 U	0.037 U	0.037 U	0.0075 U	0.037 U	0.0075 U	0.0075 U
Product-E2-Wall	9	10/22/2009	0.0077 U	0.0077 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.0077 U	0.0077 U	0.038 U	0.038 U	0.038 U	0.038 U	0.0077 U	0.038 U	0.0077 U	0.0077 U
Product-S-Wall	9	10/20/2009	0.0081 U	0.0081 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.017	0.0081 U	0.041 U	0.041 U	0.041 U	0.041 U	0.0081 U	0.041 U	0.0081 U	0.0081 U
Product-W1b-Wall	9.5	5/3/2010	0.0075 U	0.0075 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.0098	0.0075 U	0.037 U	0.037 U	0.037 U	0.037 U	0.0075 U	0.037 U	0.0075 U	0.0075 U
Product-W2b-Wall	9.5	5/3/2010	0.054	0.0083	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.11	0.0076	0.036 U	0.036 U	0.036 U	0.036 U	0.04	0.036 U	0.0085	0.011
Tank-1-B	9.5	10/27/2009	**0.083**	0.043 U	**0.17**	0.043 U	0.043 U	0.043 U	0.043 U	0.095	0.27	0.043 U	0.043 U	0.043 U	0.043 U	0.067	0.043 U	0.18	0.3
Tank-2-B	9.5	10/27/2009	0.0083 U	0.0083 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.0083 U	0.0083 U	0.042 U	0.042 U	0.042 U	0.042 U	0.0083 U	0.042 U	0.0083 U	0.0083 U
Tank-3-B	9.5	10/20/2009	0.083	0.02	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.1	0.0078 U	0.039 U	0.039 U	0.039 U	0.039 U	0.067	0.039 U	0.0078 U	0.0078 U
Tank-4-B2	9.5	5/3/2010	0.065	0.012	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.049	0.0079 U	0.04 U	0.04 U	0.04 U	0.04 U	0.047	0.04 U	0.0079 U	0.0079 U
Tank-5-B	9.5	10/21/2009	0.0079 U	0.0079 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.0079 U	0.0079 U	0.04 U	0.04 U	0.04 U	0.04 U	0.0079 U	0.04 U	0.0079 U	0.0079 U
Tank-6-B	9.5	10/21/2009	**0.12**	0.017	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.25	0.01	0.037 U	0.037 U	0.037 U	0.037 U	0.052	0.037 U	0.0085	0.013
Tank-7-B	9.5	10/22/2009	0.014	0.0076 U	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.0098	0.0076 U	0.038 U	0.038 U	0.038 U	0.038 U	0.0091	0.038 U	0.0076 U	0.0076 U
Tank-8-B	9.5	10/22/2009	0.041	0.0093	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.018	0.0078 U	0.039 U	0.039 U	0.039 U	0.039 U	0.021	0.039 U	0.0078 U	0.0078 U
Tank-9-B	9.5	10/22/2009	**0.11**	0.015	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.28	0.058	0.037 U	0.037 U	0.037 U	0.037 U	0.052	0.037 U	0.0074 U	0.0099

TABLE 5-5

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1,2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	Naphthalene	Nitrobenzene	N-Nitrosodimethylamine	N-Nitroso-di-n-propylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine	cPAHs TEQ[3]
Preliminary Screening Levels (mg/kg)			**0.25**	**0.10**	**0.033**	**0.033**	**0.1**	**0.17**	**--**	**11**	**655**	**3,500**	**0.19**
KM-41-B1	6.0	03/06/15	--	--	--	--	--	--	--	--	--	--	0.15
KM-41-EW	4.0	03/06/15	--	--	--	--	--	--	--	--	--	--	0.09
KM-41-NW	4.0	03/06/15	--	--	--	--	--	--	--	--	--	--	0.11
KM-41-SW	4.0	03/06/15	--	--	--	--	--	--	--	--	--	--	0.14
KM-41-WW	4.0	03/06/15	--	--	--	--	--	--	--	--	--	--	**0.35**
Pipe-1	5.5	10/28/2009	0.012	0.057 U	0.057 U	0.057 U	0.057 U	0.29 U	0.037	0.057 U	0.049	0.057 U	0.03
Pipe-C1	5.5	1/17/2009	0.0075 U	0.037 U	0.037 U	0.037 U	0.037 U	0.19 U	0.041	0.037 U	0.074	0.037 U	0.05
Product-N-Wall	9	10/22/2009	0.028	0.042 U	0.042 U	0.042 U	0.042 U	0.21 U	0.75	0.042 U	0.44	0.042 U	0.18
Product-E1-Wall	9	10/22/2009	0.0075 U	0.037 U	0.037 U	0.037 U	0.037 U	0.19 U	0.0075 U	0.037 U	0.0075 U	0.037 U	0.006 U
Product-E2-Wall	9	10/22/2009	0.0077 U	0.038 U	0.038 U	0.038 U	0.038 U	0.19 U	0.0077 U	0.038 U	0.0077 U	0.038 U	0.006 U
Product-S-Wall	9	10/20/2009	0.0081 U	0.041 U	0.041 U	0.041 U	0.041 U	0.2 U	0.0081 U	0.041 U	0.016	0.041 U	0.007
Product-W1b-Wall	9.5	5/3/2010	0.0075 U	0.037 U	0.037 U	0.037 U	0.037 U	0.19 U	0.012	0.037 U	0.011	0.037 U	0.006 U
Product-W2b-Wall	9.5	5/3/2010	0.014	0.036 U	0.036 U	0.036 U	0.036 U	0.18 U	0.049	0.036 U	0.14	0.036 U	0.08
Tank-1-B	9.5	10/27/2009	0.06	0.043 U	0.043 U	0.043 U	0.043 U	0.22 U	0.22	0.043 U	0.094	0.043 U	0.12
Tank-2-B	9.5	10/27/2009	0.0083 U	0.042 U	0.042 U	0.042 U	0.042 U	0.21 U	0.0083 U	0.042 U	0.0083 U	0.042 U	0.006 U
Tank-3-B	9.5	10/20/2009	0.0078 U	0.039 U	0.039 U	0.039 U	0.039 U	0.19 U	0.01	0.039 U	0.093	0.039 U	0.11
Tank-4-B2	9.5	5/3/2010	0.0079 U	0.04 U	0.04 U	0.04 U	0.04 U	0.2 U	0.011	0.04 U	0.056	0.04 U	0.08
Tank-5-B	9.5	10/21/2009	0.0079 U	0.04 U	0.04 U	0.04 U	0.04 U	0.2 U	0.0079 U	0.04 U	0.0079 U	0.04 U	0.006 U
Tank-6-B	9.5	10/21/2009	0.026	0.037 U	0.037 U	0.037 U	0.037 U	0.19 U	0.11	0.037 U	0.25	0.037 U	0.12
Tank-7-B	9.5	10/22/2009	0.0076 U	0.038 U	0.038 U	0.038 U	0.038 U	0.19 U	0.0076 U	0.038 U	0.0096	0.038 U	0.018
Tank-8-B	9.5	10/22/2009	0.0078 U	0.039 U	0.039 U	0.039 U	0.039 U	0.2 U	0.0078 U	0.039 U	0.017	0.039 U	0.039
Tank-9-B	9.5	10/22/2009	0.024	0.037 U	0.037 U	0.037 U	0.037 U	0.19 U	0.14	0.037 U	0.25	0.037 U	0.12

TABLE 5-5

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1,2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	(3+4)-Methylphenol (m,p-Cresol)	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,2-Dinitrobenzene	1,2-Diphenylhydrazine	1,3-Dichlorobenzene	1,3-Dinitrobenzene	1,4-Dichlorobenzene	1,4-Dinitrobenzene	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,3-Dichloroaniline	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol
Preliminary Screening Levels (mg/kg)			**17,500**	**0.03**	**2.4**	**350**	**164**	**--**	**350**	**0.05**	**350**	**105,000**	**--**	**--**	**29**	**0.03**	**0.2**	**1.3**	**0.33**
Tank-soil-B1	~ 3.5	03/05/15	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Tank-soil-B1B	~ 3.5	03/09/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TP4	1	11/13/2009	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.23 U
	8	11/13/2009	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.18 U

TABLE 5-5

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1,2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylphenol (o-Cresol)	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chloroaniline	4-Chlorophenyl phenyl ether	4-Nitroaniline	4-Nitrophenol	Acenaphthene
Preliminary Screening Levels (mg/kg)			**0.03**	**0.03**	**280,000**	**0.47**	**2.3**	**35,000**	**--**	**0.17**	**--**	**--**	**--**	**--**	**0.17**	**--**	**--**	**--**	**66**
Tank-soil-B1	~ 3.5	03/05/15	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	5.8
Tank-soil-B1B	~ 3.5	03/09/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TP4	1	11/13/2009	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.46 U	0.046 U	0.23 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.0091 U
	8	11/13/2009	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.37 U	0.037 U	0.18 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.0073 U

TABLE 5-5

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1,2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	Acenaphthylene	Aniline	Anthracene	Benzidine	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Benzyl alcohol	bis(2-Chloroethoxy)methane	bis(2-Chloroethyl) ether	bis(2-Chloroisopropyl) ether	bis(2-Ethylhexyl) phthalate	bis-2-Ethylhexyl adipate	Butyl benzyl phthalate	Carbazole
Preliminary Screening Levels (mg/kg)			**--**	**23,026**	**2,275**	**0.57**	**0.07**	**0.19**	**0.2**	**--**	**0.25**	**350,000**	**--**	**0.033**	**--**	**2.6**	**109,375**	**2.3**	**--**
Tank-soil-B1	~ 3.5	03/05/15	0.93	3.9 U	3.3	7.9 U	**11**	**11**	**20**	10	**6**	3.9 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Tank-soil-B1B	~ 3.5	03/09/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TP4	1	11/13/2009	0.0091 U	0.046 U	0.0091 U	0.46 U	0.034	0.055	0.061	0.05	0.04	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U
	8	11/13/2009	0.0073 U	0.037 U	0.0084	0.37 U	0.017	0.013	0.016	0.012	0.013	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U

TABLE 5-5

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1,2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	Chrysene	Dibenz[a,h]anthracene	Dibenzofuran	Diethyl phthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno[1,2,3-cd]pyrene	Isophorone	1-Methylnaphthalene	2-Methylnaphthalene
Preliminary Screening Levels (mg/kg)			**0.08**	**0.36**	**0.09**	**72**	**1088**	**58**	**35,000**	**85**	**101**	**1.6**	**1.1**	**160**	**0.04**	**0.7**	**0.04**	**4,526**	**14,000**
Tank-soil-B1	~ 3.5	03/05/15	**15**	**3.2**	**1.8**	3.9 U	0.79 U	0.79 U	0.79 U	14	3.6	0.79 U	0.79 U	0.79 U	0.79 U	**8.4**	0.79 U	12	16
Tank-soil-B1B	~ 3.5	03/09/15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TP4	1	11/13/2009	0.05	0.011	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.055	0.0091 U	0.046 U	0.046 U	0.046 U	0.046 U	0.028	0.046 U	0.0091 U	0.0091 U
	8	11/13/2009	0.02	0.0073 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.046	0.0093	0.037 U	0.037 U	0.037 U	0.037 U	0.0099	0.037 U	0.018	0.04

TABLE 5-5

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1,2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	Naphthalene	Nitrobenzene	N-Nitrosodimethylamine	N-Nitroso-di-n-propylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine	cPAHs TEQ[3]
Preliminary Screening Levels (mg/kg)			**0.25**	**0.10**	**0.033**	**0.033**	**0.1**	**0.17**	**--**	**11**	**655**	**3,500**	**0.19**
Tank-soil-B1	~ 3.5	03/05/15	**8.2**	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	12	0.79 U	14	7.9 U	**16**
Tank-soil-B1B	~ 3.5	03/09/15	**0.38**	--	--	--	--	--	--	--	--	--	--
TP4	1	11/13/2009	0.0091 U	0.046 U	0.046 U	0.046 U	0.046 U	0.23 U	0.024	0.046 U	0.058	0.046 U	0.07
	8	11/13/2009	0.091	0.037 U	0.037 U	0.037 U	0.037 U	0.18 U	0.054	0.037 U	0.052	0.037 U	0.019

Notes

1. Data flags are as follows:
   -- = not analyzed
   J = concentration shown is an estimate.
   U = analyte not detected at or above laboratory reporting limit indicated.
   UJ = analyte not detected at or above value shown, which is estimated laboratory reporting limit.
2. All values are in milligrams per kilogram (mg/kg)
3. Total cPAHs expressed as benzo(a)pyrene toxicity equivalent.
   One-half reporting limit was used for nondetected cPAH constituents.

= indicates sample was over-excavated.

Bold results exceed preliminary screening levels.

Abbreviations

bgs = below ground surface
cPAH = carcinogenic polycyclic aromatic hydrocarbons
FD = field duplicate
mg/kg = milligrams per kilogram
TEQ = toxic equivalent

TABLE 5-6

SOIL ANALYTICAL RESULTS - POLYCHLORINATED BIPHENYLS [1]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in milligrams per kilogram (mg/kg)

Sample Location	Depth (feet bgs)	Sample Dates	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
Preliminary Screening Levels (mg/kg)			**245**	**--**	**--**	**--**	**--**	**70**	**--**	**1**
B7-Trench-1	2.5	11/24/2009	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U
B7-Trench-2	2.5	11/24/2009	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U
B7-Trench-3	2.5	11/24/2009	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.092	0.092
KM09-8-78 [2]	NA	8/31/2009	50 U	50 U	50 U	10 U	10 U	16	28	**44**
KM09-8-79 [2]	NA	8/31/2009	10 U	10 U	10 U	10 U	10 U	10 U	100	**100**
KM-1	1.5-2	8/5/2009	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U
KM-2	1.5-2	8/5/2009	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U
KM-5	2-2.5	8/7/2009	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U
	6-6.5		0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U
KM-6	1.5-2	8/7/2009	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U
	4-4.2		0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U
KM-7	1.8-2	8/7/2009	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U
	6.8-7		0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U
KM-8	1.8-2	8/7/2009	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U
	6.8-7		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
KM-9	1.5-2	8/5/2009	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U
KM-10	1.2-1.5	8/6/2009	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.14	0.14
	5.2-5.5		0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U
KM-11	1.8-2	8/6/2009	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U
KM-12	1.8-2	8/7/2009	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U
KM-13	1.2-1.5	8/6/2009	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U
KM-14	1.8-2	8/6/2009	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.057	0.057
KM-15	3.8-4	8/6/2009	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
KM15-B08-103C	--	3/13/2015	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.41	0.41
KM15-B08-10C	--	3/13/2015	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.18	0.26	0.44
KM15-B08-11C	--	3/13/2015	0.066 U	0.066 U	0.066 U	0.066 U	0.066 U	0.38	0.32	0.70
KM15-B08-12C	--	3/13/2015	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.24	0.27	0.51
KM15-B08-13C	--	3/13/2015	0.068 U	0.068 U	0.068 U	0.068 U	0.068 U	0.082	0.11	0.19
KM15-B08-148B	--	3/13/2015	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.37	0.37
KM15-B08-149B	--	3/13/2015	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.49	0.49
KM15-B08-150B	--	3/13/2015	0.061 U	0.061 U	0.061 U	0.061 U	0.061 U	0.061 U	0.44	0.44
KM15-B08-151B	--	3/13/2015	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.37	0.37
KM-15-B08-31B	--	3/9/2015	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.2	0.20
KM15-B08-38D	--	3/25/2015	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.091	0.091
KM15-B08-3C	--	3/13/2015	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.14	0.17	0.31
KM15-B08-46D	--	3/25/2015	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U
KM15-B08-47D	--	3/25/2015	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U
KM15-B08-48D	--	3/25/2015	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.11	0.11
KM15-B08-4D	--	3/25/2015	0.066 U	0.066 U	0.066 U	0.066 U	0.066 U	0.23	0.2	0.43
KM15-B08-53D	--	3/25/2015	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U
KM15-B08-54D	--	3/25/2015	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U
KM15-B08-55B	--	3/13/2015	0.058 U	0.058 U	0.058 U	0.058 U	0.058 U	0.058 U	0.083	0.083

TABLE 5-6

SOIL ANALYTICAL RESULTS - POLYCHLORINATED BIPHENYLS [1]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in milligrams per kilogram (mg/kg)

Sample Location	Depth (feet bgs)	Sample Dates	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
Preliminary Screening Levels (mg/kg)			**245**	**--**	**--**	**--**	**--**	**70**	**--**	**1**
KM15-B08-57C	--	3/13/2015	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.28	0.58	0.86
KM15-B08-58C	--	3/13/2015	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.088	0.088
KM15-B08-59C	--	3/13/2015	0.058 U	0.058 U	0.058 U	0.058 U	0.058 U	0.31	0.68	0.99
KM15-B08-5C	--	3/13/2015	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.43	0.27	0.7
KM15-B08-60D	--	3/25/2015	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U
KM15-B08-61C	--	3/13/2015	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U
KM15-B08-6D	--	3/25/2015	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.31	0.25	0.56
KM15-B08-77D	--	3/25/2015	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.22	0.22
KM15-B08-78C	--	3/13/2015	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.24	0.24
KM15-B08-79C	--	3/13/2015	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.47	0.47
KM15-B08-85C	--	3/13/2015	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.34	0.34
KM15-B08-86C	--	3/13/2015	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.23	0.23
KM15-B08-87C	--	3/13/2015	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.25	0.25
KM15-B08-91D	--	3/25/2015	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U
KM15-B08-95C	--	3/13/2015	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.15	0.15
KM15-B08-Comp 34B	--	3/13/2015	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.16	0.16
KM15-B08-Comp 36B	--	3/13/2015	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.22	0.22
KM15-B08-Comp 40B	--	3/13/2015	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.31	0.31
KM15-B08-Comp 41B	--	3/13/2015	0.058 U	0.058 U	0.058 U	0.058 U	0.058 U	0.058 U	0.058 U	0.058 U
KM15-B08-Comp 44B	--	3/13/2015	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.20	0.20
KM-15-B08-Comp-10	--	2/26/2015	0.066 U	0.066 U	0.066 U	0.066 U	0.066 U	0.066 U	0.23	0.23
KM-15-B08-Comp-12	--	2/26/2015	0.066 U	0.066 U	0.066 U	0.066 U	0.066 U	0.066 U	0.24	0.24
KM-15-B08-Comp-14	--	2/26/2015	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U
KM-15-B08-Comp-23	--	2/26/2015	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.14	0.14
KM-15-B08-Comp-24	--	2/26/2015	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.24	0.24
KM-15-B08-Comp-25	--	3/9/2015	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U
KM-15-B08-Comp-26	--	3/9/2015	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U
KM-15-B08-Comp-27	--	3/9/2015	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.33	0.33
KM-15-B08-Comp-28	--	3/9/2015	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.11	0.11
KM15-B08-Comp-30B	--	3/13/2015	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.19	0.19
KM-15-B08-Comp-33	--	3/6/2015	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.17	0.17
KM-15-B08-Comp-35	--	3/6/2015	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.16	0.16

TABLE 5-6

SOIL ANALYTICAL RESULTS - POLYCHLORINATED BIPHENYLS [1]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in milligrams per kilogram (mg/kg)

Sample Location	Depth (feet bgs)	Sample Dates	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
Preliminary Screening Levels (mg/kg)			**245**	**--**	**--**	**--**	**--**	**70**	**--**	**1**
KM-15-B08-Comp-37	--	3/6/2015	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.1	0.10
KM-15-B08-Comp-38	--	3/9/2015	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.14	0.14
KM-15-B08-Comp-45	--	3/9/2015	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.12	0.12
KM-15-B08-Comp-46	--	3/9/2015	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.17	0.17
KM-15-B08-Comp-47	--	3/9/2015	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U
KM-15-B08-Comp-48	--	3/9/2015	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065	0.065
KM-15-B08-Comp-49	--	3/9/2015	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.077	0.077
KM-15-B08-Comp-5	--	2/26/2015	0.068 U	0.068 U	0.068 U	0.068 U	0.068 U	0.068 U	0.18	0.18
KM-15-B08-Comp-50	--	3/9/2015	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U
KM-15-B08-Comp-51	--	3/9/2015	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.34	0.34
KM-15-B08-Comp-52	--	3/9/2015	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.14	0.14
KM-15-B08-Comp-53	--	3/9/2015	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.1	0.1
KM-15-B08-Comp-6	--	2/26/2015	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.19	0.19
KM15-B08-DUP 1	--	3/25/2015	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.11	0.094	0.204
KM-16	3.8-4	8/6/2009	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U
KM-22	6.5-7	8/23/2010	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U
	12.5-13		0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U
KM-23	7.5-8	8/23/2010	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U
	10.5-11		0.058 U	0.058 U	0.058 U	0.058 U	0.058 U	0.058 U	0.058 U	0.058 U
KM-24	7.5-8	8/23/2010	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U
	10.5-11		0.061 U	0.061 U	0.061 U	0.061 U	0.061 U	0.061 U	0.061 U	0.061 U
KM-25	10.5-11	8/23/2010	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U	0.056 U
KM-26	8-8.5	8/23/2010	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U
	11-11.5		0.058 U	0.058 U	0.058 U	0.058 U	0.058 U	0.058 U	0.058 U	0.058 U
KM-27	8-8.5	8/24/2010	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U
	10.5-11		0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U
KM-28	8.5-9	8/24/2010	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U
	10.5-11		0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U
KM-29	7.5-8	8/24/2010	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U
	10.5-11		0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U

TABLE 5-6

SOIL ANALYTICAL RESULTS - POLYCHLORINATED BIPHENYLS [1]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in milligrams per kilogram (mg/kg)

Sample Location	Depth (feet bgs)	Sample Dates	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
Preliminary Screening Levels (mg/kg)			**245**	**--**	**--**	**--**	**--**	**70**	**--**	**1**
KM-38	1.5-2	3/23/2011	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U
	4.5-5		0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.24	0.24
KM-39	2-2.75	3/24/2011	0.058 U	0.058 U	0.058 U	0.058 U	0.058 U	0.058 U	0.15	0.15
	2-2.75 (FD)		0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.19	0.19
	4.5-5		0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U
KM-40	1.5-2	3/21/2011	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U
	4-4.5		0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U
KM-41	2.75-3.25	3/24/2011	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U	58	**58**
	4.25-4.75		1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	10	**10**
KM-42	1.75-2.25	3/24/2011	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U
	4.5-5		0.058 U	0.058 U	0.058 U	0.058 U	0.058 U	0.058 U	0.53	0.53
KM-43	1.5-2	3/23/2011	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.17	0.17
tank-soil-B1	--	3/5/2015	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U

Notes

1. Data flags are as follows:
   U = analyte not detected at or above
2. Samples collected from scale pits during 2009 PCB investigation; not related to boring KM-9.

= residual PCB concentration from Building 8 Excavation completed in 2015.

= indicates sample was over-excavated.

Bold results exceed preliminary screening levels.

Abbreviations

bgs = below ground surface
mg/kg = milligrams per kilogram
NA = not available
PCBs = polychlorinated biphenyls

TABLE 5-7

GROUNDWATER ANALYTICAL RESULTS - METALS [1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Date	Total Metals (µg/L)											Dissolved Metals (µg/L)		
			Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc	Arsenic	Chromium	Lead
Preliminary Screening Levels (µg/L)			**3.3**	**1,000**	**4.4**	**50**	**10**	**1.1**	**0.5**	**49**	**5.6**	**11**	**50**	**3.3**	**50**	**1.1**
KM-1	10 - 14	8/5/2009	3.3 U	--	4.4 U	11 U	11 U	**22**	0.5 U	22 U	--	--	36	--	--	--
KMW-01	4 - 14	3/28/2011	3.3 U	--	--	11 U	--	1.1 U	--	--	--	--	--	3 U	10 U	1 U
KM-2	8 - 12	8/5/2009	3.3 U	--	4.4 U	11 U	11 U	1.1 U	0.5 U	22 U	--	--	28 U	--	--	--
KMW-02	4.2 - 14.2	3/28/2011	3.3 U	--	--	11 U	--	1.1 U	--	--	--	--	--	3 U	10 U	1 U
KMW-03	3.2 - 13.2	3/28/2011	3.3 U	--	--	11 U	--	1.1 U	--	--	--	--	--	3 U	10 U	1 U
		3/28/2011 (FD)	3.3 U	--	--	11 U	--	1.1 U	--	--	--	--	--	3 U	10 U	1 U
KMW-04	3 - 13	3/28/2011	**12**	--	--	11 U	--	1.1 U	--	--	--	--	--	**12**	10 U	1 U
KM-5	10 - 14	8/7/2009	3.3 U	28 U	4.4 U	11 U	--	1.1 U	0.5 U	--	5.6 U	11 U	--	--	--	--
KMW-05	3.2 - 13.2	3/28/2011	3.3 U	--	--	11 U	--	1.1 U	--	--	--	--	--	3 U	10 U	1 U
KM-7	10 - 14	8/7/2009	3.3 U	28 U	4.4 U	11 U	--	1.1 U	0.5 U	--	5.6 U	11 U	--	--	--	--
KM-9	10 - 14	8/5/2009	3.3 U	--	4.4 U	11 U	11 U	1.1 U	0.5 U	22 U	--	--	28 U	--	--	--
KM-10	10 - 14	8/6/2009	3.3 U	28 U	4.4 U	11 U	--	1.4	0.5 U	--	5.6 U	11 U	--	--	--	--
KM-14	10 - 14	8/6/2009	3.3 U	28 U	4.4 U	11 U	--	1.1 U	0.5 U	--	5.6 U	11 U	--	--	--	--
KM-16	10 - 14	8/6/2009	3.3 U	28 U	4.4 U	11 U	--	1.1 U	0.5 U	--	5.6 U	11 U	--	--	--	--
KM-22	10 - 14	8/23/2010	**17**	--	4.4 U	11 U	**25**	**4.5**	0.5 U	22 U	--	--	28 U	--	--	--
KM-25	10 - 14	8/23/2010	**13**	--	4.4 U	28	**34**	**19**	0.5 U	20	--	--	**55**	--	--	--
KM-27	10 - 14	8/24/2010	3.3 U	--	4.4 U	11 U	11 U	1.1 U	0.5 U	22 U	--	--	28 U	--	--	--
KM-29	10 - 14	8/24/2010	**8.6**	--	4.4 U	11 U	11 U	**1.6**	0.5 U	22 U	--	--	28 U	--	--	--
KM-33	4 - 9	3/22/2011	**8.2**	--	--	25	--	**6.5**	--	--	--	--	--	--	--	--
KM-34	4 - 9	3/21/2011	3.3 U	--	--	11 U	--	1.1 U	--	--	--	--	--	--	--	--
KM-35	7 - 12	3/22/2011	3.3 U	--	--	11 U	--	1.1 U	--	--	--	--	--	--	--	--
KM-36	5 - 10	3/21/2011	**20**	--	--	11 U	--	1.1 U	--	--	--	--	--	--	--	--
KM-37	4 - 9	3/21/2011	**15**	--	--	11 U	--	**13**	--	--	--	--	--	--	--	--
KM-39	5 - 10	3/24/2011	**17**	--	--	11 U	--	**2.9**	--	--	--	--	--	--	--	--
KM-41	5 - 10	3/24/2011	**11**	--	--	11 U	--	**60**	--	--	--	--	--	--	--	--
		3/24/2011 (FD)	**11**	--	--	11 U	--	**66**	--	--	--	--	--	--	--	--
Contain-GW [2]	9.5	10/27/2009	**58**	--	4.4 U	**110**	**310**	**500**	**0.88**	**120**	--	--	**2,000**	--	--	--
Product-GW [2]	9.5	10/22/2009	**12**	--	4.4 U	30	**110**	**14**	0.5 U	26	--	--	**120**	--	--	--

Notes
1. Data flags are as follows:
   U = analyte not detected at or above laboratory reporting limit indicated.
   -- = not analyzed
2. Samples Contain-GW and Product-GW are grab samples collected from the open UST excavations.
Bold results exceed preliminary screening levels.

Abbreviations
µg/L = micrograms per liter
bgs = below ground surface
FD = field duplicate
UST = underground storage tank

TABLE 5-8

GROUNDWATER ANALYTICAL RESULTS FOR MONITORING NATURAL ATTENUATION[1]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Date	Total Metals (µg/L)		Disolved Metals (µg/L)					
			Iron	Manganese	Calcium	Iron	Magnesium	Manganese	Potassium	Sodium
KMW-01	4 - 14	6/7/2013	2.40	0.15	--	2.44	--	0.15	--	--
KMW-02	4.2 - 14.2	6/7/2013	1.6	0.13	--	0.673	--	0.14	--	--
KMW-03	3.2 - 13.2	4/4/2013	5.6	--	37	5.7	5.2	0.38	3.0	35
KMW-03	3.2 - 13.2	6/7/2013	6.6	0.44	--	6.8	--	0.45	--	--
KMW-04	3 - 13	6/7/2013	39	0.93	--	40	--	0.95	--	--
KMW-05	3.2 - 13.2	6/7/2013	0.76	0.15	--	0.595	--	0.15	--	--
KM-44	5 - 9	3/12/2015	30,000	440	--	24,000	--	380	--	--
KM-52	5 - 9	3/12/2015	44,000	1,800	--	42,000	--	1,700	--	--

TABLE 5-8

GROUNDWATER ANALYTICAL RESULTS FOR MONITORING NATURAL ATTENUATION[1]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Date	Conventionals (mg/L)							
			Alkalinity as Bicarbonate	Total Alkalinity	Chloride	Hardness (calculated)	Nitrate	Nitrite	pH (pH units)	Sulfate
KMW-01	4 - 14	6/7/2013	--	62	--	90	0.05 U	0.02 U	--	39
KMW-02	4.2 - 14.2	6/7/2013	--	55	--	63	1.8	0.02 U	--	32
KMW-03	3.2 - 13.2	4/4/2013	220	220	3.4	120	0.050 U	--	7.1	5.0 U
KMW-03	3.2 - 13.2	6/7/2013	--	220	--	180	0.2	0.02 U	--	5.0 U
KMW-04	3 - 13	6/7/2013	--	120	--	91	0.05 U	0.02 U	--	5 U
KMW-05	3.2 - 13.2	6/7/2013	--	56	--	62	0.70	0.02 U	--	35
KM-44	5 - 9	3/12/2015	--	--	--	--	0.050 U	--	--	10 U
KM-52	5 - 9	3/12/2015	--	--	--	--	0.16	--	--	110

TABLE 5-8

GROUNDWATER ANALYTICAL RESULTS FOR MONITORING NATURAL ATTENUATION[1]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Date	Conventionals (mg/L)					
			Sulfide	Total Dissolved Solids	Total Organic Carbon	Total Orthophosphate	Total Phosphorus	Total Suspended Solids
KMW-01	4 - 14	6/7/2013	0.05 U	140	1.0 U	0.038	0.049	4.0 U
KMW-02	4.2 - 14.2	6/7/2013	0.05 U	120	1.2	0.032	0.042	6.0
KMW-03	3.2 - 13.2	4/4/2013	--	150	4.5	--	--	7.0
KMW-03	3.2 - 13.2	6/7/2013	0.05 U	--	--	--	--	--
KMW-04	3 - 13	6/7/2013	0.05 U	220	11	0.56	0.69	6.0
KMW-05	3.2 - 13.2	6/7/2013	0.05 U	130	1.0 U	0.018	0.014	4.0 U
KM-44	5 - 9	3/12/2015	--	--	4.4	--	--	--
KM-52	5 - 9	3/12/2015	--	--	19	--	--	--

TABLE 5-8

GROUNDWATER ANALYTICAL RESULTS FOR MONITORING NATURAL ATTENUATION[1]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Date	Dissolved Gases (µg/L)		
			Methane	Ethane	Ethene
KMW-01	4 - 14	6/7/2013	1,400	100 U	100 U
KMW-02	4.2 - 14.2	6/7/2013	24	2 U	2 U
KMW-03	3.2 - 13.2	4/4/2013	--	--	--
KMW-03	3.2 - 13.2	6/7/2013	1,600	250 U	250 U
KMW-04	3 - 13	6/7/2013	9,100	1,000 U	1,000 U
KMW-05	3.2 - 13.2	6/7/2013	1.0 U	0.5 U	0.5 U
KM-44	5 - 9	3/12/2015	--	--	--
KM-52	5 - 9	3/12/2015	--	--	--

Notes
1. Data flags are as follows:
   U = analyte not detected at or above laboratory reporting limit indicated.
   -- = not analyzed

Abbreviations
µg/L = micrograms per liter
bgs = below ground surface
mg/L = milligrams per liter

TABLE 5-9

GROUNDWATER ANALYTICAL RESULTS -
TOTAL PETROLEUM HYDROCARBONS [1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	Diesel Range Organics	Lube Oil	Gasoline Range Organics
Preliminary Screening Levels (µg/L)			**500**	**500**	**800/1,000**
KM-1	10 - 14	8/5/2009	270 U	430 U	100 U
KMW-01	4 - 14	3/28/2011	--	--	100 U
		6/7/2013	--	--	100 U
KM-2	8 - 12	8/5/2009	280 U	450 U	100 U
KMW-02	4.2 - 14.2	3/28/2011	--	--	100 U
		6/7/2013	--	--	100 U
KMW-03	3.2 - 13.2	3/28/2011	--	--	**7,700**
		3/28/2011 (FD)	--	--	**7,000**
		4/4/2013	--	--	**1,800**
		6/7/2013	--	--	**1,100**
		3/10/2015	--	--	**1,100**
KMW-04	3 - 13	3/28/2011	--	--	**75,000**
		6/7/2013	--	--	**48,000**
		3/10/2015	--	--	**27,000**
KM-5	10 - 14	8/7/2009	280 U	450 U	290
KMW-05	3.2 - 13.2	3/28/2011	--	--	100 U
		6/7/2013	--	--	100 U
KM-7	10 - 14	8/7/2009	280 U	440 U	100 U
KM-9	10 - 14	8/5/2009	280 U	440 U	100 U
KM-10	10 - 14	8/6/2009	270 U	440 U	100 U
KM-14	10 - 14	8/6/2009	280 U	440 U	100 U
KM-16	10 - 14	8/6/2009	280 U	450 U	**1,300**
KM-17	7.5 - 11.5	12/23/2009	--	--	100 U
KM-19	7.5 - 11.5	12/23/2009	--	--	710
KM-20	7.5 - 11.5	12/23/2009	--	--	400 U
KM-21	7.5 - 11.5	12/23/2009	--	--	100 U
KM-22	10 - 14	8/23/2010	1,400 U	430 U	**91,000**
KM-25	10 - 14	8/23/2010	270 U	430 U	100 U
KM-27	10 - 14	8/24/2010	260 U	420 U	100 U
KM-29	10 - 14	8/24/2010	260 U	420 U	100 U
KM-30	5 - 10	3/23/2011	--	--	840
KM-31	5 - 10	3/22/2011	--	--	100 U
KM-32	5 - 10	3/22/2011	--	--	100 U
KM-33	5 - 10	3/22/2011	--	--	160
KM-34	4 - 9	3/21/2011	--	--	190
KM-35	7 - 12	3/22/2011	--	--	100 U
KM-36	4 - 9	3/21/2011	--	--	**31,000**
KM-37	4 - 9	3/21/2011	--	--	**38,000**
KM-39	5 - 10	3/24/2011	--	--	**6,600**
KM-41	5 - 10	3/24/2011	--	--	**4,400**
		3/24/2011 (FD)	--	--	**5,700**

TABLE 5-9

GROUNDWATER ANALYTICAL RESULTS -
TOTAL PETROLEUM HYDROCARBONS [1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (feet bgs)	Sample Dates	Diesel Range Organics	Lube Oil	Gasoline Range Organics
Preliminary Screening Levels (µg/L)			**500**	**500**	**800/1,000**
KM-44	5 - 9	3/4/2015	--	--	**3,500**
KM-45	5 - 9	3/4/2015	--	--	**3,500**
KM-46	5 - 9	3/4/2015	--	--	**14,000**
KM-47	5 - 9	3/4/2015	--	--	**2,100**
KM-48	5 - 9	3/4/2015	--	--	**4,600**
KM-49	5 - 9	3/4/2015	--	--	**26,000**
KM-50	5 - 9	3/4/2015	--	--	**3,100**
KM-51	5 - 9	3/4/2015	--	--	**4,700**
KM-52	5 - 9	3/4/2015	--	--	**1,300**
Contain-GW [2]	9.5	10/27/2009	280 U	**1,500**	**510,000**
Product-GW [2]	9.5	10/22/2009	1,800 U	450	**200,000**

Notes
1. Data flags are as follows:
   U = analyte not detected at or above laboratory reporting limit indicated.
   -- = not analyzed
2. Samples Contain-GW and Product-GW are grab samples collected from the open UST excavations.

Bold results exceed preliminary screening levels.

Abbreviations
µg/L = micrograms per liter
bgs = below ground surface
FD = field duplicate
UST = underground storage tank

TABLE 5-10

GROUNDWATER ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS [1]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in micrograms per liter (µg/L)

Sample Location	Depth (feet bgs)	Sample Dates	*cis* -1,2-Dichloroethene	*cis* -1,3-Dichloropropene	*trans* -1,2-Dichloroethene	*trans* -1,3-Dichloropropene	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone	2-Chloroethyl vinyl ether	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	Acetone	Benzene	Bromobenzene	Bromochloromethane
Preliminary Screening Levels			**16**	**--**	**160**	**--**	**1.7**	**5,238**	**0.20**	**0.59**	**7.7**	**0.20**	**--**	**--**	**--**	**1.5**	**28**	**1**	**0.2**	**420**	**0.38**	**0.50**	**80**	**320**	**--**	**4.85**	**--**	**4,800**	**--**	**160**	**--**	**--**	**7,200**	**0.8**	**--**	**--**
KM-1	10 - 14	8/5/2009	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5 U	1 U	0.2 U	2 U	0.2 U	5 U	0.2 U	0.2 U	0.2 U
KMW-01	4 - 14	3/28/2011	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5 U	1 U	0.2 U	2 U	0.2 U	5 U	0.2 U	0.2 U	0.2 U
		6/7/2013	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.28 U	0.2 U	0.2 U	0.2 U	1 U	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5 U	1 U	0.2 U	2 U	0.2 U	5 U	0.2 U	0.2 U	0.2 U
KM-2	8 - 12	8/5/2009	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5 U	1 U	0.2 U	2 U	0.2 U	5 U	0.2 U	0.2 U	0.2 U
KMW-02	4.2 - 14.2	3/28/2011	0.26	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5 U	1 U	0.2 U	2 U	0.2 U	5 U	0.2 U	0.2 U	0.2 U
		6/7/2013	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.28 U	0.2 U	0.2 U	0.2 U	1 U	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5 U	1 U	0.2 U	2 U	0.2 U	5 U	0.2 U	0.2 U	0.2 U
KMW-03	3.2 - 13.2	3/28/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**8.1**	--	--
		3/28/2011 (FD)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**8.4**	--	--
		4/4/2013	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	25 U	5.0 U	1.0 U	10 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U
		6/7/2013	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.28 U	0.2 U	0.2 U	0.2 U	1 U	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5 U	1 U	0.2 U	2 U	0.2 U	5 U	0.41	0.2 U	0.2 U
KMW-04	3 - 13	3/28/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**10**	--	--
		6/7/2013	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	28 U	20 U	20 U	**77**	100 U	--	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	500 U	100 U	20 U	200 U	20 U	500 U	20 U	20 U	20 U
KMW-05	3.2 - 13.2	3/28/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--
		6/7/2013	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.28 U	0.2 U	0.2 U	0.2 U	1 U	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5 U	1 U	0.2 U	2 U	0.2 U	5 U	0.2 U	0.2 U	0.2 U
KM-5	10 - 14	8/7/2009	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.28	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5 U	1 U	0.2 U	2 U	0.2 U	5 U	**4.2**	0.2 U	0.2 U
KM-7	10 - 14	8/7/2009	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5 U	1 U	0.2 U	2 U	0.2 U	5 U	0.2 U	0.2 U	0.2 U
KM-8	10 - 14	8/7/2009	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.77 J	1 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.28 J	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	5 UJ	1 UJ	0.2 UJ	2 UJ	0.2 UJ	5 UJ	0.2 UJ	0.2 UJ	0.2 UJ
KM-9	10 - 14	8/5/2009	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5 U	1 U	0.2 U	2 U	0.2 U	5 U	0.2 U	0.2 U	0.2 U
KM-10	10 - 14	8/6/2009	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.25	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5 U	1 U	0.2 U	2 U	0.2 U	5 U	0.2 U	0.2 U	0.2 U
KM-14	10 - 14	8/6/2009	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5 U	1 U	0.2 U	2 U	0.2 U	5 U	0.2 U	0.2 U	0.2 U
KM-16	10 - 14	8/6/2009	8.9	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.59	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	33	2 U	0.4 U	0.4 U	0.4 U	0.4 U	7.8	0.4 U	0.4 U	0.4 U	0.4 U	10 U	2 U	0.4 U	4 U	0.4 U	10 U	0.4 U	0.4 U	0.4 U
KM-17	7.5 - 11.5	12/23/2009	11	0.2 U	0.23	0.2 U	0.2 U	0.33	0.2 U	0.2 U	0.77	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.28	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5 U	1 U	0.2 U	2 U	0.2 U	5 U	0.2 U	0.2 U	0.2 U
KM-18	7.5 - 11.5	12/23/2009	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.96	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.61	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5 U	1 U	0.2 U	2 U	0.2 U	5 U	0.2 U	0.2 U	0.2 U
KM-19	7.5 - 11.5	12/23/2009	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5 U	1 U	0.2 U	2 U	0.2 U	5 U	0.2 U	0.2 U	0.2 U
KM-20	7.5 - 11.5	12/23/2009	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5 U	1 U	0.2 U	2 U	0.2 U	5 U	0.2 U	0.2 U	0.2 U
KM-21	7.5 - 11.5	12/23/2009	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5 U	1 U	0.2 U	2 U	0.2 U	5 U	0.2 U	0.2 U	0.2 U
KM-22	10 - 14	8/23/2010	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	**520**	1,000 U	200 U	200 U	200 U	200 U	**250**	200 U	200 U	200 U	200 U	5,000 U	1000 U	200 U	2000 U	200 U	5,000 U	200 U	200 U	200 U
KM-25	10 - 14	8/23/2010	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5 U	1 U	0.2 U	2 U	0.2 U	5 U	0.2 U	0.2 U	0.2 U
KM-27	10 - 14	8/24/2010	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5 U	1 U	0.2 U	2 U	0.2 U	5 U	0.2 U	0.2 U	0.2 U
KM-29	10 - 14	8/24/2010	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5 U	1 U	0.2 U	2 U	0.2 U	5 U	0.2 U	0.2 U	0.2 U
KM-30	5 - 10	3/23/2011	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5 U	1 U	0.2 U	2 U	0.2 U	5 U	0.2 U	0.2 U	0.2 U
KM-31	5 - 10	3/22/2011	2.1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.26	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5 U	1 U	0.2 U	2 U	0.2 U	5 U	0.2 U	0.2 U	0.2 U
KM-32	5 - 10	3/22/2011	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5 U	1 U	0.2 U	2 U	0.2 U	5 U	0.2 U	0.2 U	0.2 U
KM-33	4 - 9	3/22/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-34	4 - 9	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--
KM-35	7 - 12	3/22/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--
KM-36	5 - 10	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**93**	--	--
KM-37	4 - 9	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**35**	--	--
KM-39	5 - 10	3/24/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**11**	--	--
KM-41	5 - 10	3/24/2011	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	6	2 U	0.4 U	0.4 U	0.4 U	0.4 U	1.3	0.4 U	0.4 U	0.4 U	0.4 U	10 U	2 U	0.4 U	4 U	0.4 U	10 U	**23**	0.4 U	0.4 U
		3/24/2011 (FD)	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	6.1	2 U	0.4 U	0.4 U	0.4 U	0.4 U	1.3	0.4 U	0.4 U	0.4 U	0.4 U	10 U	2 U	0.4 U	4 U	0.4 U	10 U	**23**	0.4 U	0.4 U
Contain-GW [2]	9.5	10/27/2009	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	**430**	500 U	100 U	100 U	100 U	100 U	**120**	100 U	100 U	100 U	100 U	2,500 U	500 U	100 U	1000 U	100 U	2,500 U	100 U	100 U	100 U
Product-GW [2]	9.5	10/22/2009	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	500 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	2,500 U	500 U	100 U	1,000 U	100 U	**13,000**	100 U	100 U	100 U

TABLE 5-10

GROUNDWATER ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS [1]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in micrograms per liter (µg/L)

Sample Location	Depth (feet bgs)	Sample Dates	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane	Ethylbenzene	Hexachlorobutadiene	Iodomethane	Isopropylbenzene	Methyl isobutyl ketone	Methyl t-butyl ether	Methylene chloride	Naphthalene	n-Butylbenzene	n-Propylbenzene	m,p-Xylene	o-Xylene	p-Isopropyltoluene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl acetate	Vinyl chloride
Preliminary Screening Levels			**0.27**	**4.3**	**11.2**	**400**	**0.23**	**130**	**18,286**	**1.2**	**153**	**0.44**	**0.28**	**5.7**	**530**	**0.44**	**--**	**800**	**640**	**24.3**	**4.6**	**8.9**	**400**	**800**	**1,600**	**440**	**--**	**800**	**1,600**	**800**	**0.69**	**640**	**0.54**	**120**	**7,800**	**0.2**
KM-1	10 - 14	8/5/2009	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	2 U	0.2 U	1 U	1 U	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U	0.2 U
KMW-01	4 - 14	3/28/2011	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	2 U	0.2 U	1 U	1 U	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U	0.2 U
		6/7/2013	1 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U	2 U	0.2 U	1 U	1.4 U	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	--	1 U	0.2 U
KM-2	8 - 12	8/5/2009	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	2 U	0.2 U	1 U	1 U	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U	0.2 U
KMW-02	4.2 - 14.2	3/28/2011	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	2 U	0.2 U	1 U	1 U	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U	0.2 U
		6/7/2013	1 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U	2 U	0.2 U	1 U	1.4 U	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	--	1 U	0.2 U
KMW-03	3.2 - 13.2	3/28/2011	--	--	--	--	--	--	--	--	--	--	--	--	**31,00**	--	--	--	--	--	--	--	--	--	18	4.0 U	--	--	--	--	--	4.0 U	--	--	--	--
		/28/2011 (FD	--	--	--	--	--	--	--	--	--	--	--	--	**2,700**	--	--	--	--	--	--	--	--	--	18	4.0 U	--	--	--	--	--	4.0 U	--	--	--	--
		4/4/2013	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	170	1.0 U	1.0 U	44	2.0 U	5.0 U	10 U	1.0 U	5.0 U	19	2.5	51	1.0 U	1.0 U	2.9	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U
		6/7/2013	--	1 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	27	0.2 U	--	41	2 U	0.2 U	1 U	**9.8**	2.4	47	0.4 U	0.2 U	0.2 U	2.9	0.2 U	0.28	0.2 U	1 U	0.2 U	--	1 U	0.2 U
KMW-04	3 - 13	3/28/2011	--	--	--	--	--	--	--	--	--	--	--	--	**5,700**	--	--	--	--	--	--	--	--	--	**12,000**	**3,400**	--	--	--	--	--	**7,400**	--	--	--	--
		6/7/2013	--	100 U	20 U	20 U	20 U	20 U	100 U	20 U	100 U	20 U	20 U	20 U	**3400**	20 U	--	41	200 U	20 U	100 U	140 U	20 U	32	**6,800**	**2,200**	20 U	20 U	20 U	20 U	20 U	**3800**	20 U	--	100 U	20 U
KMW-05	3.2 - 13.2	3/28/2011	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--	1 U	1 U	--	--	--	--	--	1 U	--	--	--	--
		6/7/2013	1 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U	2 U	0.2 U	1 U	1.4 U	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	--	1 U	0.2 U
KM-5	10 - 14	8/7/2009	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	15	0.2 U	1 U	0.65	2 U	0.2 U	1 U	1 U	0.2 U	0.29	57	6.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U	0.2 U
KM-7	10 - 14	8/7/2009	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.48	0.2 U	1 U	0.2 U	2 U	0.2 U	1 U	1 U	0.2 U	0.26	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	13	0.2 U	0.2 U	2 U	0.2 U
KM-8	10 - 14	8/7/2009	0.2 UJ	1 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	1 UJ	0.2 UJ	1 UJ	0.2 UJ	0.2 UJ	0.2 UJ	18 J	0.2 UJ	1 UJ	0.22 J	2 UJ	0.2 UJ	1 UJ	1 UJ	0.2 UJ	0.26 J	25 J	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	1 UJ	0.2 UJ	0.2 UJ	2 UJ	0.2 UJ
KM-9	10 - 14	8/5/2009	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.88	2 U	0.2 U	1 U	2.3	0.2 U	0.75	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U	0.2 U
KM-10	10 - 14	8/6/2009	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	1.2	0.2 U	1 U	0.2 U	2 U	0.2 U	1 U	1.1	0.2 U	0.2 U	5.9	1.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U	0.2 U
KM-14	10 - 14	8/6/2009	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	2 U	0.2 U	1 U	1 U	0.2 U	0.2 U	0.52	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U	0.2 U
KM-16	10 - 14	8/6/2009	0.4 U	2 U	0.4 U	0.4 U	0.4 U	0.4 U	2 U	0.4 U	2 U	0.4 U	0.4 U	0.4 U	93	0.4 U	2 U	21	4 U	0.4 U	2 U	3.7	0.4 U	28	47	5.6	3	11	0.4 U	1.3	0.4 U	12	**0.6**	0.4 U	4 U	**3.8**
KM-17	7.5 - 11.5	12/23/2009	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.37	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	2 U	0.2 U	1 U	1 U	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	**9**	0.27	2 U	0.2 U
KM-18	7.5 - 11.5	12/23/2009	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	2 U	0.2 U	1 U	**160**	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U	0.2 U
KM-19	7.5 - 11.5	12/23/2009	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	18	2 U	0.2 U	1 U	1 U	5.5	34	0.4 U	0.2 U	0.2 U	13	0.2 U	0.79	0.2 U	1 U	0.2 U	0.2 U	2 U	0.2 U
KM-20	7.5 - 11.5	12/23/2009	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	12	2 U	0.2 U	1 U	1 U	0.91	16	0.4 U	0.2 U	0.2 U	6.4	0.2 U	0.69	0.2 U	1 U	**1.1**	0.2 U	2 U	0.2 U
KM-21	7.5 - 11.5	12/23/2009	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	2 U	0.2 U	1 U	1 U	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U	0.2 U
KM-22	10 - 14	8/23/2010	200 U	1,000 U	200 U	200 U	200 U	200 U	1,000 U	200 U	1,000 U	200 U	200 U	200 U	**8,900**	200 U	1000 U	200 U	2,000 U	200 U	1,000 U	**1,000**	200 U	200 U	**27,000**	**9,000**	200 U	200 U	200 U	200 U	200 U	**4,700**	200 U	200 U	2,000 U	200 U
KM-25	10 - 14	8/23/2010	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	2 U	0.2 U	1 U	1 U	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U	0.2 U
KM-27	10 - 14	8/24/2010	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	2 U	0.2 U	1 U	1 U	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U	0.2 U
KM-29	10 - 14	8/24/2010	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	2 U	0.2 U	1 U	1 U	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U	0.2 U
KM-30	5 - 10	3/23/2011	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	8	2 U	0.2 U	1 U	1 U	4.3	10	0.4 U	0.2 U	0.2 U	12	0.2 U	1	0.2 U	1 U	0.2 U	0.2 U	2 U	0.2 U
KM-31	5 - 10	3/22/2011	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	2 U	0.2 U	1 U	1 U	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	**0.83**	0.2 U	2 U	0.2 U
KM-32	5 - 10	3/22/2011	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	2 U	0.2 U	1 U	1 U	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U	0.2 U
KM-33	4 - 9	3/22/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	1 U	--	--	--	--	--	1 U	--	--	--	--
KM-34	4 - 9	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	--	13	--	--	--	--	--	--	--	--	--	56	18	--	--	--	--	--	1.4	--	--	--	--
KM-35	7 - 12	3/22/2011	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--	1 U	1 U	--	--	--	--	--	1 U	--	--	--	--
KM-36	5 - 10	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	--	**4,700**	--	--	--	--	--	--	--	--	--	1,400	50 U	--	--	--	--	--	10 U	--	--	--	--
KM-37	4 - 9	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	--	**5,100**	--	--	--	--	--	--	--	--	--	**10,000**	**1,600**	--	--	--	--	--	10 U	--	--	--	--
KM-39	5 - 10	3/24/2011	--	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--	--	--	--	--	--	27	10 U	--	--	--	--	--	37	--	--	--	--
KM-41	5 - 10	3/24/2011	0.4 U	2 U	0.4 U	0.4 U	0.4 U	0.4 U	2 U	0.4 U	2 U	0.4 U	0.4 U	0.4 U	9.6	0.4 U	2 U	24	4 U	0.4 U	2 U	**92**	4.8	30	26	9.1	0.52	4.4	0.4 U	0.57	0.4 U	2.4	0.4 U	0.4 U	4 U	0.4 U
		/24/2011 (FD	0.4 U	2 U	0.4 U	0.4 U	0.4 U	0.4 U	2 U	0.4 U	2 U	0.4 U	0.4 U	0.4 U	9.9	0.4 U	2 U	24	4 U	0.4 U	2 U	**97**	5	30	27	9.2	0.51	4.3	0.4 U	0.57	0.4 U	2.5	0.4 U	0.4 U	4 U	0.4 U
Contain-GW [2]	9.5	10/27/2009	100 U	500 U	100 U	100 U	100 U	100 U	500 U	100 U	500 U	100 U	100 U	100 U	**13,000**	100 U	500 U	100	1,000 U	100 U	500 U	**590**	100 U	100 U	**45,000**	**12,000**	100 U	100 U	100 U	100 U	100 U	**1,200**	100 U	100 U	1,000 U	100 U
Product-GW [2]	9.5	10/22/2009	100 U	500 U	100 U	100 U	100 U	100 U	500 U	100 U	500 U	100 U	100 U	100 U	**8,100**	100 U	500 U	100 U	1,000 U	100 U	500 U	500 U	100 U	100 U	**37,000**	**13,000**	100 U	100 U	100 U	100 U	100 U	**17,000**	100 U	100 U	1,000 U	100 U

Notes
1. Data flags are as follows:
-- = not analyzed
J = concentration shown is an estimate.
U = analyte not detected at or above laboratory reporting limit indicated.
UJ = analyte not detected at or above value shown, which is estimated laboratory reporting limit.
Bold results exceed preliminary screening levels.

Abbreviations
µg/L = micrograms per liter
bgs = below ground surface
FD = field duplicate
UST = underground storage tank

TABLE 5-11

GROUNDWATER ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS [1]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in micrograms per liter (µg/L)

Sample Location	Depth (feet bgs)	Sample Dates	(3+4)-Methylphenol (m,p-Cresol)	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,2-Dinitrobenzene	1,2-Diphenylhydrazine	1,3-Dichlorobenzene	1,3-Dinitrobenzene	1,4-Dichlorobenzene	1,4-Dinitrobenzene	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,3-Dichloroaniline	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol
Preliminary Screening Levels			**--**	**1.51**	**420**	**1.60**	**1.0**	**320**	**1.60**	**8.10**	**1.60**	**480**	**--**	**--**	**800**	**1.4**	**24**	**160**	**32**
KM-1	10 - 14	8/5/2009	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	13 U
KMW-01	4 - 14	3/28/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-2	8 - 12	8/5/2009	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U
KMW-02	4.2 - 14.2	3/28/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KMW-03	3.2 - 13.2	3/28/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		3/28/2011 (FD)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KMW-04	3 - 13	3/28/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KMW-05	3.2 - 13.2	3/28/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-5	10 - 14	8/7/2009	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	9.9 U
KM-7	10 - 14	8/7/2009	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U
KM-9	10 - 14	8/5/2009	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U
KM-10	10 - 14	8/6/2009	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U
KM-14	10 - 14	8/6/2009	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U
KM-16	10 - 14	8/6/2009	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U
KM-17	7.5 - 11.5	12/23/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-19	7.5 - 11.5	12/23/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-20	7.5 - 11.5	12/23/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-22	10-14	8/23/2010	9.7	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	20	9.5 U
KM-25	10-14	8/23/2010	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	9.9 U
KM-27	10-14	8/24/2010	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	9.7 U
KM-29	10-14	8/24/2010	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	9.5 U
KM-30	5 - 10	3/23/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-31	5 - 10	3/22/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-32	5 - 10	3/22/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-33	4 - 9	3/22/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-34	4 - 9	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-35	7 - 12	3/22/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-36	5 - 10	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-37	4 - 9	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-39	5 - 10	3/24/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-41	5 - 10	3/24/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		3/24/2011 (FD)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Contain-GW [2]	9.5	10/27/2009	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	200 U
Product-GW [2]	9.5	10/22/2009	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	12	100 U

TABLE 5-11

GROUNDWATER ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS [1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in micrograms per liter (µg/L)

Sample Location	Depth (feet bgs)	Sample Dates	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylphenol (o-Cresol)	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chloroaniline	4-Chlorophenyl phenyl ether	4-Nitroaniline	4-Nitrophenol	Acenaphthene
Preliminary Screening Levels			**1.0**	**1.0**	**640**	**40**	**400**	**160**	**--**	**1.0**	**--**	**--**	**--**	**--**	**1.0**	**--**	**--**	**--**	**648**
KM-1	10 - 14	8/5/2009	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	13 U	1.3 U	6.6 U	1.3 U	1.3 U	13 U	1.3 U	1.3 U	1.3 U	0.13 U
KMW-01	4 - 14	3/28/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.098 U
KM-2	8 - 12	8/5/2009	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	5.2 U	1 U	1 U	10 U	1 U	1 U	1 U	0.1 U
KMW-02	4.2 - 14.2	3/28/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.098 U
KMW-03	3.2 - 13.2	3/28/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.096 U
		3/28/2011 (FD)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.095 U
KMW-04	3 - 13	3/28/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.12 U
KMW-05	3.2 - 13.2	3/28/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.095 U
KM-5	10 - 14	8/7/2009	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	9.9 U	0.99 U	5 U	0.99 U	0.99 U	9.9 U	0.99 U	0.99 U	0.99 U	0.099 U
KM-7	10 - 14	8/7/2009	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	5.1 U	1 U	1 U	10 U	1 U	1 U	1 U	0.1 U
KM-9	10 - 14	8/5/2009	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	5 U	1 U	1 U	10 U	1 U	1 U	1 U	0.33
KM-10	10 - 14	8/6/2009	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	5 U	1 U	1 U	10 U	1 U	1 U	1 U	0.13
KM-14	10 - 14	8/6/2009	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	5.1 U	1 U	1 U	10 U	1 U	1 U	1 U	0.1 U
KM-16	10 - 14	8/6/2009	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	5.2 U	1 U	1 U	10 U	1 U	1 U	1 U	0.1 U
KM-17	7.5 - 11.5	12/23/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-19	7.5 - 11.5	12/23/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-20	7.5 - 11.5	12/23/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KM-22	10-14	8/23/2010	0.95 U	0.95 U	0.95 U	0.95 U	3.6	0.95 U	0.95 U	9.5 U	0.95 U	4.8 U	0.95 U	0.95 U	9.5 U	0.95 U	0.95 U	0.95 U	0.095 U
KM-25	10-14	8/23/2010	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	9.9 U	0.99 U	4.9 U	0.99 U	0.99 U	9.9 U	0.99 U	0.99 U	0.99 U	0.099 U
KM-27	10-14	8/24/2010	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	9.7 U	0.97 U	4.9 U	0.97 U	0.97 U	9.7 U	0.97 U	0.97 U	0.97 U	0.097 U
KM-29	10-14	8/24/2010	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	9.5 U	0.95 U	4.7 U	0.95 U	0.95 U	9.5 U	0.95 U	0.95 U	0.95 U	0.095 U
KM-30	5 - 10	3/23/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.96
KM-31	5 - 10	3/22/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.097 U
KM-32	5 - 10	3/22/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.1 U
KM-33	4 - 9	3/22/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.9
KM-34	4 - 9	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.099 U
KM-35	7 - 12	3/22/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.097 U
KM-36	5 - 10	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.43
KM-37	4 - 9	3/21/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.12
KM-39	5 - 10	3/24/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.8 U
KM-41	5 - 10	3/24/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.6 U
		3/24/2011 (FD)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.5 U
Contain-GW [2]	9.5	10/27/2009	20 U	20 U	20 U	20 U	20 U	20 U	20 U	200 U	20 U	100 U	20 U	20 U	200 U	20 U	20 U	20 U	180
Product-GW [2]	9.5	10/22/2009	10 U	10 U	10 U	10 U	14	10 U	10 U	100 U	10 U	51 U	10 U	10 U	100 U	10 U	10 U	10 U	0.51 U

TABLE 5-11

GROUNDWATER ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS [1]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in micrograms per liter (µg/L)

Sample Location	Depth (feet bgs)	Sample Dates	Acenaphthylene	Aniline	Anthracene	Benzidine	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Benzyl alcohol	bis(2-Chloroethoxy)methane	bis(2-Chloroethyl) ether	bis(2-Chloroisopropyl) ether	bis(2-Ethylhexyl) phthalate	bis-2-Ethylhexyl adipate	Butyl benzyl phthalate	Carbazole
Preliminary Screening Levels			**--**	**7.68**	**4,800**	**10**	**0.01**	**0.01**	**0.01**	**--**	**0.01**	**800**	**--**	**1.0**	**1,400**	**1.2**	**73**	**8.3**	**--**
KM-1	10 - 14	8/5/2009	0.13 U	1.3 U	0.13 U	13 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
KMW-01	4 - 14	3/28/2011	0.098 U	--	0.098 U	--	0.0098 U	0.0098 U	0.0098 U	0.0098 U	0.0098 U	--	--	--	--	--	--	--	--
KM-2	8 - 12	8/5/2009	0.1 U	1 U	0.1 U	10 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
KMW-02	4.2 - 14.2	3/28/2011	0.098 U	--	0.098 U	--	0.0098 U	0.0098 U	0.0098 U	0.0098 U	0.0098 U	--	--	--	--	--	--	--	--
KMW-03	3.2 - 13.2	3/28/2011	0.096 U	--	0.096 U	--	0.0096 U	0.0096 U	0.0096 U	0.0096 U	0.0096 U	--	--	--	--	--	--	--	--
		3/28/2011 (FD)	0.095 U	--	0.095 U	--	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	--	--	--	--	--	--	--	--
KMW-04	3 - 13	3/28/2011	0.12 U	--	0.12 U	--	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	--	--	--	--	--	--	--	--
KMW-05	3.2 - 13.2	3/28/2011	0.095 U	--	0.095 U	--	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	--	--	--	--	--	--	--	--
KM-5	10 - 14	8/7/2009	0.099 U	0.99 U	0.099 U	9.9 U	0.0099 U	0.0099 U	0.0099 U	0.0099 U	0.0099 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U
KM-7	10 - 14	8/7/2009	0.1 U	1 U	0.1 U	10 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
KM-9	10 - 14	8/5/2009	0.1 U	1 U	0.1 U	10 U	**0.021**	**0.014**	**0.02**	0.01	0.01 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
KM-10	10 - 14	8/6/2009	0.12	1 U	0.1 U	10 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
KM-14	10 - 14	8/6/2009	0.1 U	1 U	0.1 U	10 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
KM-16	10 - 14	8/6/2009	0.1 U	1 U	0.1 U	10 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
KM-17	7.5 - 11.5	12/23/2009	--	--	--	--	0.0097 U	0.0097 U	0.0097 U	--	0.0097 U	--	--	--	--	--	--	--	--
KM-19	7.5 - 11.5	12/23/2009	--	--	--	--	0.0098	0.0097 U	0.0097 U	--	0.0097 U	--	--	--	--	--	--	--	--
KM-20	7.5 - 11.5	12/23/2009	--	--	--	--	0.0097 U	0.0097 U	0.0097 U	--	0.0097 U	--	--	--	--	--	--	--	--
KM-22	10-14	8/23/2010	0.095 U	4.8 U	0.095 U	9.5 U	**0.022**	**0.022**	**0.017**	0.015	**0.017**	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
KM-25	10-14	8/23/2010	0.099 U	4.9 U	0.099 U	9.9 U	**0.064**	**0.061**	**0.054**	0.039	**0.051**	0.99 U	0.99 U	0.99 U	0.99 U	**1.9**	0.99 U	0.99 U	0.99 U
KM-27	10-14	8/24/2010	0.097 U	4.9 U	0.097 U	9.7 U	0.0097 U	0.0097 U	0.0097 U	0.0097 U	0.0097 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U
KM-29	10-14	8/24/2010	0.095 U	4.7 U	0.095 U	9.5 U	**0.012**	**0.017**	**0.01**	0.0095 U	0.0095 U	0.95 U	0.95 U	0.95 U	0.95 U	**7.1**	0.95 U	0.95 U	0.95 U
KM-30	5 - 10	3/23/2011	0.96 U	--	0.96 U	--	0.096 U	0.096 U	0.096 U	0.096 U	0.096 U	--	--	--	--	--	--	--	--
KM-31	5 - 10	3/22/2011	0.097 U	--	0.097 U	--	0.0097 U	0.0097 U	0.0097 U	0.0097 U	0.0097 U	--	--	--	--	--	--	--	--
KM-32	5 - 10	3/22/2011	0.1 U	--	0.1 U	--	**0.16**	**0.18**	**0.21**	0.14	**0.16**	--	--	--	--	--	--	--	--
KM-33	4 - 9	3/22/2011	0.096 U	--	0.18	--	**0.02**	0.0096 U	0.0096 U	0.0096 U	0.0096 U	--	--	--	--	--	--	--	--
KM-34	4 - 9	3/21/2011	0.099 U	--	0.099 U	--	0.0099 U	0.0099 U	0.0099 U	0.0099 U	0.0099 U	--	--	--	--	--	--	--	--
KM-35	7 - 12	3/22/2011	0.097 U	--	0.097 U	--	0.0097 U	0.0097 U	0.0097 U	0.0097 U	0.0097 U	--	--	--	--	--	--	--	--
KM-36	5 - 10	3/21/2011	0.1 U	--	0.1 U	--	**0.035**	**0.032**	**0.027**	0.05	**0.021**	--	--	--	--	--	--	--	--
KM-37	4 - 9	3/21/2011	0.098 U	--	0.098 U	--	**0.043**	**0.035**	**0.032**	0.037	**0.026**	--	--	--	--	--	--	--	--
KM-39	5 - 10	3/24/2011	4.8 U	--	4.8 U	--	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	--	--	--	--	--	--	--	--
KM-41	5 - 10	3/24/2011	9.6 U	--	9.6 U	--	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	--	--	--	--	--	--	--	--
		3/24/2011 (FD)	9.5 U	--	9.5 U	--	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	--	--	--	--	--	--	--	--
Contain-GW [2]	9.5	10/27/2009	20 U	100 U	310	200 U	**150**	**120**	**160**	72	**46**	20 U	20 U	20 U	20 U	20 U	20 U	20 U	91
Product-GW [2]	9.5	10/22/2009	0.51 U	51 U	0.51 U	100 U	**0.3**	**0.37**	**0.65**	0.29	0.2	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

TABLE 5-11

GROUNDWATER ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS [1]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in micrograms per liter (µg/L)

Sample Location	Depth (ft bgs)	Sample Dates	Chrysene	Dibenz[a,h]anthracene	Dibenzofuran	Diethyl phthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno[1,2,3-cd]pyrene	Isophorone	1-Methylnaphthalene	2-Methylnaphthalene
Preliminary Screening Levels			**0.01**	**0.01**	**16**	**12,800**	**270,000**	**1,600**	**160**	**86**	**640**	**1**	**1**	**40**	**1.09**	**0.01**	**8.4**	**1.5**	**32**
KM-1	10 - 14	8/5/2009	0.013 U	0.013 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.13 U	0.13 U	1.3 U	1.3 U	1.3 U	1.3 U	0.013 U	1.3 U	0.13 U	0.13 U
KMW-01	4 - 14	3/28/2011	0.0098 U	0.0098 U	--	--	--	--	--	0.098 U	0.098 U	--	--	--	--	0.0098 U	--	0.098 U	0.098 U
KM-2	8 - 12	8/5/2009	0.01 U	0.01 U	1 U	1 U	1 U	1 U	1 U	0.1 U	0.1 U	1 U	1 U	1 U	1 U	0.01 U	1 U	0.1 U	0.1 U
KMW-02	4.2 - 14.2	3/28/2011	0.0098 U	0.0098 U	--	--	--	--	--	0.098 U	0.098 U	--	--	--	--	0.0098 U	--	0.098 U	0.098 U
KMW-03	3.2 - 13.2	3/28/2011	0.0096 U	0.0096 U	--	--	--	--	--	0.096 U	0.096 U	--	--	--	--	0.0096 U	--	0.25	0.37
		3/28/2011 (FD)	0.0095 U	0.0095 U	--	--	--	--	--	0.095 U	0.095 U	--	--	--	--	0.0095 U	--	0.25	0.37
KMW-04	3 - 13	3/28/2011	0.012 U	0.012 U	--	--	--	--	--	0.12 U	0.12 U	--	--	--	--	0.012 U	--	0.56	0.93
KMW-05	3.2 - 13.2	3/28/2011	0.0095 U	0.0095 U	--	--	--	--	--	0.095 U	0.095 U	--	--	--	--	0.0095 U	--	0.095 U	0.095 U
KM-5	10 - 14	8/7/2009	0.0099 U	0.0099 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.099 U	0.099 U	0.99 U	0.99 U	0.99 U	0.99 U	0.0099 U	0.99 U	0.099 U	0.099 U
KM-7	10 - 14	8/7/2009	0.01 U	0.01 U	1 U	1 U	1 U	1 U	1 U	0.1 U	0.1 U	1 U	1 U	1 U	1 U	0.01 U	1 U	0.1 U	0.1 U
KM-9	10 - 14	8/5/2009	**0.02**	0.01 U	1 U	1 U	1 U	1 U	1 U	0.1 U	0.14	1 U	1 U	1 U	1 U	0.01 U	1 U	0.45	0.27
KM-10	10 - 14	8/6/2009	0.01 U	0.01 U	1 U	1 U	1 U	1 U	1.4	0.1 U	0.1 U	1 U	1 U	1 U	1 U	0.01 U	1 U	0.1 U	0.1 U
KM-14	10 - 14	8/6/2009	0.01 U	0.01 U	1 U	1 U	1 U	1 U	1 U	0.1 U	0.1 U	1 U	1 U	1 U	1 U	0.01 U	1 U	0.1 U	0.1 U
KM-16	10 - 14	8/6/2009	0.01 U	0.01 U	1 U	1 U	1 U	1 U	1 U	0.1 U	0.1 U	1 U	1 U	1 U	1 U	0.01 U	1 U	0.1 U	0.12
KM-17	7.5 - 11.5	12/23/2009	0.0097 U	0.0097 U	--	--	--	--	--	--	--	--	--	--	--	0.0097 U	--	--	--
KM-19	7.5 - 11.5	12/23/2009	0.0097 U	0.0097 U	--	--	--	--	--	--	--	--	--	--	--	0.0097 U	--	--	--
KM-20	7.5 - 11.5	12/23/2009	0.0097 U	0.0097 U	--	--	--	--	--	--	--	--	--	--	--	0.0097 U	--	--	--
KM-22	10-14	8/23/2010	**0.025**	0.0095 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.095 U	0.095 U	0.95 U	0.95 U	0.95 U	0.95 U	**0.011**	0.95 U	0.76	1.3
KM-25	10-14	8/23/2010	**0.076**	**0.012**	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.17	0.099 U	0.99 U	0.99 U	0.99 U	0.99 U	**0.035**	0.99 U	0.099 U	0.099 U
KM-27	10-14	8/24/2010	0.0097 U	0.0097 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.097 U	0.097 U	0.97 U	0.97 U	0.97 U	0.97 U	0.0097 U	0.97 U	0.097 U	0.097 U
KM-29	10-14	8/24/2010	0.0095 U	0.0095 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.095 U	0.095 U	0.95 U	0.95 U	0.95 U	0.95 U	0.0095 U	0.95 U	0.095 U	0.095 U
KM-30	5 - 10	3/23/2011	0.096 U	0.096 U	--	--	--	--	--	0.96 U	0.96 U	--	--	--	--	0.096 U	--	0.96 U	0.96 U
KM-31	5 - 10	3/22/2011	0.0097 U	0.0097 U	--	--	--	--	--	0.097 U	0.097 U	--	--	--	--	0.0097 U	--	0.097 U	0.097 U
KM-32	5 - 10	3/22/2011	**0.23**	**0.048**	--	--	--	--	--	0.18	0.1 U	--	--	--	--	**0.12**	--	0.1 U	0.1 U
KM-33	4 - 9	3/22/2011	**0.022**	0.0096 U	--	--	--	--	--	0.14	0.93	--	--	--	--	0.0096 U	--	0.39	0.096 U
KM-34	4 - 9	3/21/2011	0.0099 U	0.0099 U	--	--	--	--	--	0.099 U	0.099 U	--	--	--	--	0.0099 U	--	0.099 U	0.099 U
KM-35	7 - 12	3/22/2011	0.0097 U	0.0097 U	--	--	--	--	--	0.097 U	0.097 U	--	--	--	--	0.0097 U	--	0.097 U	0.097 U
KM-36	5 - 10	3/21/2011	**0.042**	0.01 U	--	--	--	--	--	0.1 U	0.1 U	--	--	--	--	**0.032**	--	0.91	1.1
KM-37	4 - 9	3/21/2011	**0.053**	0.0098 U	--	--	--	--	--	0.1	0.098 U	--	--	--	--	**0.027**	--	0.5	0.73
KM-39	5 - 10	3/24/2011	0.48 U	0.48 U	--	--	--	--	--	4.8 U	4.8 U	--	--	--	--	0.48 U	--	**9.2**	4.8 U
KM-41	5 - 10	3/24/2011	0.96 U	0.96 U	--	--	--	--	--	9.6 U	9.6 U	--	--	--	--	0.96 U	--	**18**	22
		3/24/2011 (FD)	0.95 U	0.95 U	--	--	--	--	--	9.5 U	9.5 U	--	--	--	--	0.95 U	--	**23**	29
Contain-GW [2]	9.5	10/27/2009	**180**	**21**	**110**	20 U	20 U	20 U	20 U	**530**	180	20 U	20 U	20 U	20 U	**72**	20 U	**44**	**95**
Product-GW [2]	9.5	10/22/2009	**0.37**	**0.12**	10 U	10 U	32	10 U	10 U	0.51 U	0.51 U	10 U	10 U	10 U	10 U	**0.25**	10 U	0.51 U	1.8

TABLE 5-11

GROUNDWATER ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS [1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in micrograms per liter (µg/L)

Sample Location	Depth (ft bgs)	Sample Dates	Naphthalene	Nitrobenzene	N-Nitrosodimethylamine	N-Nitroso-di-n-propylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine	cPAHs TEF (ND = 1/2 RL) [3]
Preliminary Screening Levels			**8.9**	**16**	**1.0**	**1.0**	**3.3**	**5.0**	**--**	**2,400**	**480**	**8.0**	**0.01**
KM-1	10 - 14	8/5/2009	0.13 U	1.3 U	1.3 U	1.3 U	13 U	6.6 U	0.13 U	1.3 U	0.13 U	1.3 U	0.010 U
KMW-01	4 - 14	3/28/2011	0.098 U	--	--	--	--	--	0.098 U	--	0.098 U	--	0.007 U
KM-2	8 - 12	8/5/2009	0.1 U	1 U	1 U	1 U	10 U	5.2 U	0.1 U	1 U	0.1 U	1 U	0.008 U
KMW-02	4.2 - 14.2	3/28/2011	0.098 U	--	--	--	--	--	0.098 U	--	0.098 U	--	0.007 U
KMW-03	3.2 - 13.2	3/28/2011	4.8	--	--	--	--	--	0.096 U	--	0.096 U	--	0.007 U
		3/28/2011 (FD)	5.7	--	--	--	--	--	0.095 U	--	0.095 U	--	0.007 U
KMW-04	3 - 13	3/28/2011	7.2	--	--	--	--	--	0.12 U	--	0.12 U	--	0.009 U
KMW-05	3.2 - 13.2	3/28/2011	0.095 U	--	--	--	--	--	0.095 U	--	0.095 U	--	0.007 U
KM-5	10 - 14	8/7/2009	0.099 U	0.99 U	0.99 U	0.99 U	9.9 U	5 U	0.099 U	0.99 U	0.099 U	0.99 U	0.007 U
KM-7	10 - 14	8/7/2009	0.1 U	1 U	1 U	1 U	10 U	5.1 U	0.1 U	1 U	0.1 U	1 U	0.008 U
KM-9	10 - 14	8/5/2009	0.77	1 U	1 U	1 U	10 U	5 U	0.12	1 U	0.1 U	1 U	**0.020**
KM-10	10 - 14	8/6/2009	0.37	1 U	1 U	1 U	10 U	5 U	0.1 U	1 U	0.1 U	1 U	0.008 U
KM-14	10 - 14	8/6/2009	0.13	1 U	1 U	1 U	10 U	5.1 U	0.1 U	1 U	0.1 U	1 U	0.008 U
KM-16	10 - 14	8/6/2009	1.4	1 U	1 U	1 U	10 U	5.2 U	0.1 U	1 U	0.1 U	1 U	0.008 U
KM-17	7.5 - 11.5	12/23/2009	--	--	--	--	--	--	--	--	--	--	0.007 U
KM-19	7.5 - 11.5	12/23/2009	--	--	--	--	--	--	--	--	--	--	0.008
KM-20	7.5 - 11.5	12/23/2009	--	--	--	--	--	--	--	--	--	--	0.007 U
KM-22	10-14	8/23/2010	**22**	0.95 U	0.95 U	0.95 U	9.5 U	4.8 U	0.15	0.95 U	0.095 U	9.5 U	**0.03**
KM-25	10-14	8/23/2010	0.099 U	0.99 U	0.99 U	0.99 U	9.9 U	4.9 U	0.12	0.99 U	0.14	9.9 U	**0.08**
KM-27	10-14	8/24/2010	0.097 U	0.97 U	0.97 U	0.97 U	9.7 U	4.9 U	0.097 U	0.97 U	0.097 U	9.7 U	0.007 U
KM-29	10-14	8/24/2010	0.095 U	0.95 U	0.95 U	0.95 U	9.5 U	4.7 U	0.095 U	0.95 U	0.095 U	9.5 U	**0.02**
KM-30	5 - 10	3/23/2011	0.96 U	--	--	--	--	--	0.96 U	--	0.96 U	--	0.072 U
KM-31	5 - 10	3/22/2011	0.097 U	--	--	--	--	--	0.097 U	--	0.097 U	--	0.0073 U
KM-32	5 - 10	3/22/2011	0.1 U	--	--	--	--	--	0.1 U	--	0.17	--	**0.25**
KM-33	4 - 9	3/22/2011	0.16	--	--	--	--	--	0.096 U	--	0.1	--	0.009
KM-34	4 - 9	3/21/2011	0.099 U	--	--	--	--	--	0.099 U	--	0.099 U	--	0.0075 U
KM-35	7 - 12	3/22/2011	0.097 U	--	--	--	--	--	0.097 U	--	0.097 U	--	0.0073 U
KM-36	5 - 10	3/21/2011	3.6	--	--	--	--	--	0.2	--	0.1 U	--	**0.044**
KM-37	4 - 9	3/21/2011	4.6	--	--	--	--	--	0.17	--	0.1	--	**0.049**
KM-39	5 - 10	3/24/2011	4.8 U	--	--	--	--	--	4.8 U	--	4.8 U	--	0.36 U
KM-41	5 - 10	3/24/2011	**27**	--	--	--	--	--	9.6 U	--	9.6 U	--	0.72 U
		3/24/2011 (FD)	**42**	--	--	--	--	--	9.5 U	--	9.5 U	--	0.72 U
Contain-GW [2]	9.5	10/27/2009	**670**	20 U	20 U	20 U	200 U	100 U	830	20 U	430	200 U	**167**
Product-GW [2]	9.5	10/22/2009	0.93	10 U	10 U	10 U	100 U	51 U	0.51 U	10 U	0.51 U	100 U	**0.53**

Notes
1. Data flags are as follows:
   U = analyte not detected at or above laboratory reporting limit indicated.
   -- = not analyzed
2. Samples Contain-GW and Product-GW are grab samples collected from the open UST excavations.

Bold results exceed preliminary screening levels.

Abbreviations
µg/L = micrograms per liter
bgs = below ground surface
cPAHs = carcinogenic polycyclic aromatic hydrocarbons
FD = field duplicate
ND = non-detect
RL = reporting limit
TEF = toxicity equivalence factor
UST = underground storage tank

TABLE 5-12

GROUNDWATER ANALYTICAL RESULTS - POLYCHLORINATED BIPHENYLS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in micrograms per liter (µg/L)

Area of Site	Sample Location	Depth (feet bgs)	Sample Date	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
Preliminary Screening Levels				**0.05**	**--**	**--**	**--**	**--**	**0.05**	**0.05**	**0.05**
South	KM-1	10 - 14	8/5/2009	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
South	KM-2	8 - 12	8/5/2009	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Central	KM-5	10 - 14	8/7/2009	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U
Central	KM-7	10 - 14	8/7/2009	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U
Central	KM-9	10 - 14	8/5/2009	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Central	KM-10	10 - 14	8/6/2009	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
North	KM-14	10 - 14	8/6/2009	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U
North	KM-16	10 - 14	8/6/2009	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U

Notes

1. Data flags are as follows:
   U = analyte not detected at or above laboratory reporting limit indicated.

Abbreviations
µg/L = micrograms per liter
bgs = below ground surface
PCBs = polychlorinated biphenyls

TABLE 6-1

GROUNDWATER PARAMETERS
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Monitoring Well	Date	pH	SC (ms/cm)	ORP (mv)	DO (mg/L)
KMW-01	3/8/2011	6.23	0.295	-93	2.11
	6/7/2013	5.94	0.248	-224	3.3
KMW-02	3/8/2011	5.59	0.218	-49	1.69
	6/7/2013	5.54	0.197	166	3.9
KMW-03	3/8/2011	7.34	0.25	-159	1.28
	4/4/2013	5.91	0.375	-88	0.60
	6/7/2013	6.70	0.457	-173	3.7
	3/10/2015	6.65	0.312	-117.9	0.79
KMW-04	3/8/2011	6.93	0.46	-147	1.76
	6/7/2013	6.32	0.41	-93	3.3
	3/10/2015	6.18	0.222	-67.3	0.76
KMW-05	3/8/2011	6.16	0.299	-67	1.33
	6/7/2013	5.75	0.191	120	3.4

Abbreviations
DO = disolved oxygen
mg/L = milligrams per liter
ms/cm = millisiemens per centimeter
mv = millivolts
ORP = oxidation reduction potential
SC = specific conductivity

TABLE 7-1

SOIL CLEANUP LEVELS

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in milligrams per kilogram (mg/kg)

Constituents	MTCA Method C Cleanup Level, Industrial Land Use	Soil Cleanup Level Protective of Groundwater	Puget Sound Regional Background Level	Practical Quantitation Limit	Cleanup Level
Metals					
Aluminum	3,500,000	--	32,600	5.0	32,600
Antimony	1,400	--	--	5.0	1,400
Arsenic	88	1.93	7	10	10
Barium	700,000	824	--	2.5	824
Cadmium	3500	0.61	1	0.50	1
Chromium	5,250,000	1,000	48	0.50	48
Copper	140,000	4	36	1.0	36
Lead	--	220	24	5.0	220
Mercury	--	0.5	0.07	0.25	0.5
Nickel	70,000	63	48	2.5	63
Selenium	17,500	0.6	--	10	10
Silver	17,500	2	--	0.50	2
Zinc	1,050,000	62	85	2.5	85
TPH [1]					
Diesel Range Organics	2000	--	--	25	2,000
Lube Oil	2000	--	--	50	2,000
Gasoline Range Organics	30	--	--	5.0	30/100 [2]
VOCs					
cis- 1,2-Dichloroethene	7,000	0.08	--	0.001	0.08
cis- 1,3-Dichloropropene	--	--	--	0.001	--
trans- 1,2-Dichloroethene	70,000	0.86976	--	0.001	0.87
trans- 1,3-Dichloropropene	--	--	--	0.001	--
1,1,1,2-Tetrachloroethane	5048	--	--	0.001	5048
1,1,1-Trichloroethane	7,000,000	41.50	--	0.001	41.50
1,1,2,2-Tetrachloroethane	656	0.001	--	0.001	0.001
1,1,2-Trichloroethane	2,303	0.003	--	0.001	0.003
1,1-Dichloroethane	23,026	0.04	--	0.001	0.04
1,1-Dichloroethene	175,000	0.001	--	0.001	0.001
1,1-Dichloropropene	--	--	--	0.001	--
1,2,3-Trichlorobenzene	--	--	--	0.001	--
1,2,3-Trichloropropane	4.4	--	--	0.001	4.4
1,2,4-Trichlorobenzene	4,526	0.1	--	0.001	0.1
1,2,4-Trimethylbenzene	--	--	--	0.001	--
1,2-Dibromo-3-chloropropane	164	--	--	0.005	164
1,2-Dibromoethane	66	--	--	0.001	66
1,2-Dichlorobenzene	315,000	4.9	--	0.001	4.9
1,2-Dichloroethane	1,442	0.002	--	0.001	0.002
1,2-Dichloropropane	3,646	0.003	--	0.001	0.003
1,3,5-Trimethylbenzene	35,000	--	--	0.001	35,000
1,3-Dichlorobenzene	--	--	--	0.001	--
1,3-Dichloropropane	1,313	--	--	0.001	1,313
1,4-Dichlorobenzene	24,306	0.08	--	0.001	0.08
2,2-Dichloropropane	--	--	--	0.001	--
2-Butanone	2,100,000	--	--	0.005	2,100,000
2-Chloroethyl vinyl ether	--	--	--	0.005	--
2-Chlorotoluene	--	--	--	0.001	--
2-Hexanone	--	--	--	0.005	--
4-Chlorotoluene	--	--	--	0.001	--
Acetone	3,150,000	29	--	0.005	29
Benzene	2,386	0.004	--	0.001	0.004

TABLE 7-1

SOIL CLEANUP LEVELS

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in milligrams per kilogram (mg/kg)

Constituents	MTCA Method C Cleanup Level, Industrial Land Use	Soil Cleanup Level Protective of Groundwater	Puget Sound Regional Background Level	Practical Quantitation Limit	Cleanup Level
VOCs (Continued)					
Bromobenzene	--	--	--	0.001	--
Bromochloromethane	--	--	--	0.001	--
Bromodichloromethane	2,117	0.001	--	0.001	0.001
Bromoform	16,614	0.03	--	0.001	0.03
Bromomethane	4,900	0.05	--	0.001	0.05
Carbon disulfide	350,000	2.8	--	0.001	2.8
Carbon tetrachloride	1,880	0.002	--	0.001	0.002
Chlorobenzene	70,000	1.14	--	0.001	1.14
Chloroethane	--	--	--	0.001	--
Chloroform	4,234	0.01	--	0.001	0.01
Chloromethane	--	--	--	0.005	--
Dibromochloromethane	1,563	0.002	--	0.001	0.002
Dibromomethane	--	--	--	0.001	--
Dichlorodifluoromethane	700,000	--	--	0.001	700,000
Ethylbenzene	350,000	4.6	--	0.001	4.6
Hexachlorobutadiene	1,683	0.005	--	0.005	0.005
Iodomethane	--	--	--	0.005	--
Isopropylbenzene	350,000	--	--	0.001	350,000
Methyl isobutyl ketone	280,000	--	--	0.005	280,000
Methyl t-butyl ether	72,917	0.11	--	0.001	0.11
Methylene chloride	21,000	0.02	--	0.005	0.02
Naphthalene	70,000	0.2	--	0.001	0.2
n-Butylbenzene	175,000	--	--	0.001	175,000
n-Propylbenzene	350,000	3.3	--	0.001	3.3
m,p-Xylene	700,000	17	--	0.002	17
o-Xylene	700,000	4	--	0.001	4
Total xylenes	700,000	17	--	0.002	17
p-Isopropyltoluene	--	--	--	0.001	--
sec-Butylbenzene	350,000	--	--	0.001	350,000
Styrene	700,000	35.9	--	0.001	35.9
tert-Butylbenzene	350,000	--	--	0.001	350,000
Tetrachloroethene	21,000	0.01	--	0.001	0.01
Toluene	280,000	4.7	--	0.005	4.7
Trichloroethene	1,750	0.004	--	0.001	0.004
Trichlorofluoromethane	1,050,000	--	--	0.001	1,050,000
Vinyl acetate	3,500,000	32	--	0.005	32
Vinyl chloride	88	0.001	--	0.001	0.001
SVOCs					
(3+4)-Methylphenol (m,p-Cresol)	17,500	--	--	0.033	17,500
1,2,4-Trichlorobenzene	4,526	0.01	--	0.033	0.033
1,2-Dichlorobenzene	315,000	2.4	--	0.033	2.4
1,2-Dinitrobenzene	350	--	--	0.033	350
1,2-Diphenylhydrazine	164	--	--	0.033	164
1,3-Dichlorobenzene	--	--	--	0.033	--
1,3-Dinitrobenzene	350	--	--	0.033	350
1,4-Dichlorobenzene	24,306	0.05	--	0.033	0.05
1,4-Dinitrobenzene	350	--	--	0.033	350
2,3,4,6-Tetrachlorophenol	105,000	--	--	0.033	105,000
2,3,5,6-Tetrachlorophenol	--	--	--	0.033	--
2,3-Dichloroaniline	--	--	--	0.033	--
2,4,5-Trichlorophenol	350,000	29	--	0.033	29
2,4,6-Trichlorophenol	3,500	0.02	--	0.033	0.03

TABLE 7-1

SOIL CLEANUP LEVELS
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in milligrams per kilogram (mg/kg)

Constituents	MTCA Method C Cleanup Level, Industrial Land Use	Soil Cleanup Level Protective of Groundwater	Puget Sound Regional Background Level	Practical Quantitation Limit	Cleanup Level
SVOCs (Continued)					
2,4-Dichlorophenol	10,500	0.2	--	0.033	0.2
2,4-Dimethylphenol	70,000	1.3	--	0.033	1.3
2,4-Dinitrophenol	7,000	0.13	--	0.33	0.33
2,4-Dinitrotoluene	423	0.01	--	0.033	0.03
2,6-Dinitrotoluene	88	0.01	--	0.033	0.03
2-Chloronaphthalene	280,000	--	--	0.033	280,000
2-Chlorophenol	17,500	0.47	--	0.033	0.47
2-Methylphenol (o-Cresol)	175,000	2.3	--	0.033	2.3
2-Nitroaniline	35,000	--	--	0.033	35,000
2-Nitrophenol	--	--	--	0.033	--
3,3'-Dichlorobenzidine	292	0.018	--	0.17	0.17
3-Nitroaniline	--	--	--	0.033	--
4,6-Dinitro-2-methylphenol	--	--	--	0.17	--
4-Bromophenyl phenyl ether	--	--	--	--	--
4-Chloro-3-methylphenol	--	--	--	0.033	--
4-Chloroaniline	656	0.01	--	0.17	0.17
4-Chlorophenyl phenyl ether	--	--	--	--	--
4-Nitroaniline	--	--	--	0.033	--
4-Nitrophenol	--	--	--	0.033	--
Acenaphthene	210,000	66	--	0.0067	66
Acenaphthylene	--	--	--	0.0067	--
Aniline	23,026	--	--	0.17	23,026
Anthracene	1,050,000	2,275	--	0.0067	2,275
Benzidine	0.57	--	--	0.33	0.57
Benzo[a]anthracene	180	0.07	--	0.0067	0.07
Benzo[a]pyrene	18	0.19	--	0.0067	0.19
Benzo[b]fluoranthene	180	0.2	--	0.0067	0.2
Benzo[g,h,i]perylene	--	--	--	0.0067	--
Benzo[k]fluoranthene	1,798	0	--	0.033	0.25
Benzyl alcohol	350,000	--	--	0.17	350,000
bis(2-Chloroethoxy)methane	--	--	--	0.033	--
bis(2-Chloroethyl) ether	119	0.0055	--	0.033	0.033
bis(2-Chloroisopropyl) ether	--	--	--	0.033	--
bis(2-Ethylhexyl) phthalate	9,375	3	--	0.033	2.6
bis-2-Ethylhexyl adipate	109,375	--	--	0.033	109,375
Butyl benzyl phthalate	69,100	2	--	0.033	2.3
Carbazole	--	--	--	0.033	--
Chrysene	17,979	0	--	0.0067	0.08
Dibenz[a,h]anthracene	18	0.36	--	0.0067	0.36
Dibenzofuran	3,500	0.09	--	0.033	0.09
Diethyl phthalate	2,800,000	72	--	0.17	72
Dimethyl phthalate	--	1,088.42	--	0.033	1088
Di-n-butyl phthalate	350,000	58	--	0.033	58
Di-n-octyl phthalate	35,000	266,241	--	0.033	35,000
Fluoranthene	140,000	85	--	0.0067	85
Fluorene	140,000	101	--	0.0067	101
Hexachlorobenzene	82	1.6	--	0.033	1.6
Hexachlorobutadiene	1683	1.1	--	0.033	1.1
Hexachlorocyclopentadiene	21,000	160	--	0.033	160
Hexachloroethane	2,450	0.04	--	0.033	0.04
Indeno[1,2,3-cd]pyrene	180	0.7	--	0.0067	0.7
Isophorone	138,158	0.041	--	0.033	0.041

TABLE 7-1

SOIL CLEANUP LEVELS
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in milligrams per kilogram (mg/kg)

Constituents	MTCA Method C Cleanup Level, Industrial Land Use	Soil Cleanup Level Protective of Groundwater	Puget Sound Regional Background Level	Practical Quantitation Limit	Cleanup Level
SVOCs (Continued)					
1-Methylnaphthalene	4,526	--	--	0.0067	4,526
2-Methylnaphthalene	14,000	--	--	0.0067	14,000
Naphthalene	70,000	0.2	--	0.0067	0.2
Nitrobenzene	7,000	0.10	--	0.033	0.10
N-Nitrosodimethylamine	2.6	0.004	--	0.033	0.033
N-Nitroso-di-n-propylamine	19	0.00448	--	0.033	0.033
N-Nitrosodiphenylamine	26,786	0.10	--	0.033	0.10
Pentachlorophenol	328	0.079	--	0.17	0.17
Phenanthrene	--	--	--	0.0067	--
Phenol	1,050,000	11	--	0.033	11
Pyrene	105,000	655	--	0.0067	655
Pyridine	3,500	--	--	0.33	3,500
PCBs					
Aroclor 1016	245	--	--	0.050	245
Aroclor 1221	--	--	--	0.050	--
Aroclor 1232	--	--	--	0.050	--
Aroclor 1242	--	--	--	0.050	--
Aroclor 1248	--	--	--	0.050	--
Aroclor 1254	70	--	--	0.050	70
Aroclor 1260	--	--	--	0.050	--
Total PCBs	65.6	--	--	0.050	1 [3]

Notes
1. MTCA Method A values used for TPH, since Method B and C not available
2. Gasoline cleanup level is 30 mg/kg if benzene is present, otherwise it is 100 mg/kg.
3. PCB cleanup level selected to allow unrestricted use under MTCA and the Toxic Substances Control Act.

Abbreviations
mg/kg = milligrams per kilogram
MTCA = Model Toxics Control Act
PCBs = polychlorinated biphenyls
SVOCs = semivolatile organic compounds
TPH = total petroleum hydrocarbons
VOCs = volatile organic compounds

TABLE 7-2

GROUNDWATER CLEANUP LEVELS

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in micrograms per liter (µg/L)

Constituents	Ground Water Method A	Ground Water Method B Non cancer	Ground Water Method B Cancer	Surface Water Method B Non cancer	Surface Water Method B Cancer	Surface Water Aquatic Life Fresh/Acute 173-201A WAC	Surface Water Aquatic Life Fresh/Acute CWA §304	Surface Water Aquatic Life Fresh/Acute NTR 40 CFR 131	Surface Water Aquatic Life Fresh/Chronic 173-201A WAC	Surface Water Aquatic Life Fresh/Chronic CWA §304	Surface Water Aquatic Life Fresh/Chronic NTR 40 CFR 131	Surface Water Human Health Fresh Water CWA §304	Surface Water Human Health Fresh Water NTR 40 CFR 131	2015 Vapor Intursion Groundwater Screening Level Method B Noncancer	2015 Vapor Intrusion Groundwater Screening Level Method B Cancer	PQLs	Preliminary Screening Level
Metals																	
Arsenic	5.00	4.80	0.06	17.68	0.10	360.00	340.00	360.00	190.00	150.00	190.00	0.02	0.02			3.3	3.3
Barium		3200.00										1000.00				28	1,000
Cadmium	5.00	8.00	40.50		0.82	2.00	3.90	0.37	0.25	1.00						4.4	4.4
Chromium	50.00															11	50
Copper		640.00	2880.00		4.61	13.00	17.00	3.47	9.00	11.00						10	10
Lead	15.00				13.88	65.00	65.00	0.54	2.50	2.50						1.1	1.1
Mercury	2.00				2.10	1.40	2.10	0.01	0.77	0.01		0.14		0.89		0.5	0.5
Nickel		320.00	1103.23		438.00	470.00	1400.00	48.65	52.00	160.00	610.00	610.00				22	49
Selenium		80.00	2700.62		20.00		20.00	5.00	5.00	5.00	170.00					5.6	5.6
Silver		80.00	25925.93		0.32	3.20	3.40									11	11
Zinc		4800.00	16548.46		35.36	120.00	110.00	32.29	120.00	100.00	7400.00					50	50
TPH [1]																	
Diesel Range Organics	500															250	500
Lube Oil	500															400	500
Gasoline Range Organics	800/1000															100	800/1000
VOCs																	
cis-1,2-Dichloroethene		16														0.20	16
cis-1,3-Dichloropropene																0.20	--
trans-1,2-Dichloroethene		160		32,407								140,000				0.20	160
trans-1,3-Dichloropropene																0.20	--
1,1,1,2-Tetrachloroethane		240.00	1.68												7.40	0.20	1.7
1,1,1-Trichloroethane	200	16,000		925,926										5,238		0.20	5,238
1,1,2,2-Tetrachloroethane		160.00	0.22	10,370.37	6.48							0.17	0.17		6.20	0.20	0.20
1,1,2-Trichloroethane		32.00	0.77	2,304.53	25.27							0.59	0.60	4.51		0.20	0.59
1,1-Dichloroethane		1,600.0	7.7												11.2	0.20	7.7
1,1-Dichloroethene		400.00		23,148.15								330.00	0.06	130.00		0.20	0.20
1,1-Dichloropropene																0.20	--
1,2,3-Trichlorobenzene																0.20	--
1,2,3-Trichloropropane		32.000	0.001													0.20	--
1,2,4-Trichlorobenzene		80	2	236	2							35		39		0.20	1.5
1,2,4-Trimethylbenzene														28		0.20	28
1,2-Dibromo-3-chloropropane		1.60	0.05													1.0	1.0
1,2-Dibromoethane	0.01	72.00	0.02													0.20	0.20
1,2-Dichlorobenzene		720		4,167								420	2,700	2,571		0.20	420
1,2-Dichloroethane	5	48.00	0.48	12,962.96	59.35							0.38	0.38	139.78	4.20	0.20	0.38
1,2-Dichloropropane		720.00	1.22	56,910.57	43.91							0.50		28.44	3.89	0.20	0.50
1,3,5-Trimethylbenzene		80														0.20	80
1,3-Dichlorobenzene												320.00	400.00			0.20	320
1,3-Dichloropropane																0.20	--
1,4-Dichlorobenzene		560.00	8.10	3,240.74	21.43							63.00	400.00	7,808.49	4.85	0.20	4.85
2,2-Dichloropropane																0.20	--
2-Butanone		4,800												1,739,130		5.0	4,800
2-Chloroethyl vinyl ether																1.0	--
2-Chlorotoluene		160														0.20	160

TABLE 7-2

GROUNDWATER CLEANUP LEVELS
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in micrograms per liter (µg/L)

Constituents	Ground Water Method A	Ground Water Method B Non cancer	Ground Water Method B Cancer	Surface Water Method B Non cancer	Surface Water Method B Cancer	Surface Water Aquatic Life Fresh/Acute 173-201A WAC	Surface Water Aquatic Life Fresh/Acute CWA §304	Surface Water Aquatic Life Fresh/Acute NTR 40 CFR 131	Surface Water Aquatic Life Fresh/Chronic 173-201A WAC	Surface Water Aquatic Life Fresh/Chronic CWA §304	Surface Water Aquatic Life Fresh/Chronic NTR 40 CFR 131	Surface Water Human Health Fresh Water CWA §304	Surface Water Human Health Fresh Water NTR 40 CFR 131	2015 Vapor Intursion Groundwater Screening Level Method B Noncancer	2015 Vapor Intrusion Groundwater Screening Level Method B Cancer	PQLs	Preliminary Screening Level
VOCs (Continued)																	
2-Hexanone																2.0	--
4-Chlorotoluene																0.20	--
Acetone		7,200														5.0	7,200
Benzene	5	32.0	0.8	1,994.3	22.7							2.2	1.2	102.7	2.4	0.20	0.80
Bromobenzene																0.20	--
Bromochloromethane																0.20	--
Bromodichloromethane		160.00	0.71	13,645.22	27.51							0.55	0.27		1.84	0.20	0.27
Bromoform		160.00	5.54	13,645.22	215.91							4.30	4.30		200.00	1.0	4.30
Bromomethane		11.2		955.2								47.0	48.0	13.0		0.20	11.2
Carbon disulfide		800												400		0.20	400
Carbon tetrachloride		32.00	0.63	545.81	4.87							0.23	0.25	59.16	0.54	0.20	0.23
Chlorobenzene		160		5,185								130	680	286		0.20	130
Chloroethane														18,286		1.0	18,286
Chloroform		80.00	1.41	6,822.61	55.02							5.70	5.70	494.59	1.20	0.20	1.2
Chloromethane														152.82		1.0	153
Dibromochloromethane		160.00	0.52	13,645.22	20.31							0.40	0.41		4.53	0.20	0.40
Dibromomethane		80												277	0	0.20	0.28
Dichlorodifluoromethane		1,600												6		0.20	5.7
Ethylbenzene	700	800		6,823								530	3,100	2,783		0.20	530
Hexachlorobutadiene		8.00	0.56	925.93	29.68							0.44	0.44		0.81	0.20	0.44
Iodomethane																1.0	--
Isopropylbenzene		800														0.2	800
Methyl isobutyl ketone		640												471,429		2.0	640
Methyl t-butyl ether	20		24.3											87,003.4	610.0	0.20	24.3
Methylene chloride	5	48.00	21.88	17,283.95	3,600.82							4.60	4.70	4,864.69	4,433.96	1.0	4.6
Naphthalene	160	160		4,714										167	9	1.0	8.9
n-Butylbenzene		400														0.20	400
n-Propylbenzene		800														0.20	800
m,p-Xylene		1,600														0.40	1,600
o-Xylene		1,600												440		0.20	440
p-Isopropyltoluene																0.20	--
sec-Butylbenzene		800														0.20	800
Styrene		1,600												8,104		0.20	1,600
tert-Butylbenzene		800														0.20	800
Tetrachloroethene	5	48	21	502	100							1	1	44	23	0.20	0.69
Toluene	1000	640		18,855								1,300	6,800	15,584		1.0	640
Trichloroethene	5	4.0	0.5	117.8	12.8							2.5	2.7	3.8		0.20	0.54
Trichlorofluoromethane		2,400												120		0.20	120
Vinyl acetate		8,000												7,800		2.0	7,800
Vinyl chloride	0.2	24.00	0.03	6,481.48	3.70							0.03	2.00	56.69		0.20	0.20
SVOCs																	
(3+4)-Methylphenol (m,p-Cresol)																1.0	--
1,2,4-Trichlorobenzene		80	2	236	2							35				1.0	1.5
1,2-Dichlorobenzene		720		4,167								420	2,700			1.0	420
1,2-Dinitrobenzene		1.60														1.0	1.6
1,2-Diphenylhydrazine			0.11		0.32							0.04	0.04			1.0	1.0

TABLE 7-2

GROUNDWATER CLEANUP LEVELS

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in micrograms per liter (µg/L)

Constituents	Ground Water Method A	Ground Water Method B Non cancer	Ground Water Method B Cancer	Surface Water Method B Non cancer	Surface Water Method B Cancer	Surface Water Aquatic Life Fresh/Acute 173-201A WAC	Surface Water Aquatic Life Fresh/Acute CWA §304	Surface Water Aquatic Life Fresh/Acute NTR 40 CFR 131	Surface Water Aquatic Life Fresh/Chronic 173-201A WAC	Surface Water Aquatic Life Fresh/Chronic CWA §304	Surface Water Aquatic Life Fresh/Chronic NTR 40 CFR 131	Surface Water Human Health Fresh Water CWA §304	Surface Water Human Health Fresh Water NTR 40 CFR 131	2015 Vapor Intursion Groundwater Screening Level Method B Noncancer	2015 Vapor Intrusion Groundwater Screening Level Method B Cancer	PQLs	Preliminary Screening Level
SVOCs (Continued)																	
1,3-Dichlorobenzene												320.00	400.00			1.0	320
1,3-Dinitrobenzene		1.6														1.0	1.6
1,4-Dichlorobenzene		8.10		3,240.74	21.43							63.00	400.00			1.0	8.1
1,4-Dinitrobenzene		1.60														1.0	1.6
2,3,4,6-Tetrachlorophenol		480														1.0	480
2,3,5,6-Tetrachlorophenol																1.0	--
2,3-Dichloroaniline																1.0	--
2,4,5-Trichlorophenol		800										1,800				1.0	800
2,4,6-Trichlorophenol		8.00	3.98	17.28	3.93							1.40	2.10			1.0	1.4
2,4-Dichlorophenol		24		190								77	93			1.0	24
2,4-Dimethylphenol		160														1.0	160
2,4-Dinitrophenol		32														10	32
2,4-Dinitrotoluene		32.00	0.28	1,364.52	5.50							0.11	0.11			1.0	1.0
2,6-Dinitrotoluene		4.80	0.06													1.0	1.0
2-Chloronaphthalene		640		1,037								1,000				1.0	640
2-Chlorophenol		40		100												1.0	40
2-Methylphenol (o-Cresol)		400														1.0	400
2-Nitroaniline		160														1.0	160
2-Nitrophenol																1.0	--
3,3'-Dichlorobenzidine			0.19		0.05							0.02	0.04			1.0	1.0
3-Nitroaniline																1.0	--
4,6-Dinitro-2-methylphenol																5.0	--
4-Bromophenyl phenyl ether																1.0	--
4-Chloro-3-methylphenol																1.0	--
4-Chloroaniline		32.00	0.22													1.0	1.0
4-Chlorophenyl phenyl ether																1.0	--
4-Nitroaniline																1.0	--
4-Nitrophenol																1.0	--
Acenaphthene		960		648								670				0.1	648
Acenaphthylene																0.1	--
Aniline		56.00	7.68													1.0	7.7
Anthracene		4,800		25,926								8,300	9,600			0.1	4,800
Benzidine		48.0000	0.0004	88.3838	0.0003							0.0001	0.0001			10	10
Benzo[a]anthracene			0.12		0.30							0.00	0.00			0.01	0.01
Benzo[a]pyrene	0.1		0.012		0.030							0.004	0.003			0.01	0.01
Benzo[b]fluoranthene			0.12		0.30							0.00	0.00			0.01	0.01
Benzo[g,h,i]perylene																0.01	--
Benzo[k]fluoranthene			1.20		2.96							0.00	0.00			0.01	0.01
Benzyl alcohol		800														1.00	800
bis(2-Chloroethoxy)methane																1.0	--
bis(2-Chloroethyl) ether			0.04		0.85							0.03	0.03		26.00	1.0	1.0
bis(2-Chloroisopropyl) ether												1,400.00	1,400.00			1.0	1,400
bis(2-Ethylhexyl) phthalate		320.00	6.25	398.86	3.56							1.20	1.80			1.0	1.2

TABLE 7-2

GROUNDWATER CLEANUP LEVELS

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in micrograms per liter (µg/L)

Constituents	Ground Water Method A	Ground Water Method B Non cancer	Ground Water Method B Cancer	Surface Water Method B Non cancer	Surface Water Method B Cancer	Surface Water Aquatic Life Fresh/Acute 173-201A WAC	Surface Water Aquatic Life Fresh/Acute CWA §304	Surface Water Aquatic Life Fresh/Acute NTR 40 CFR 131	Surface Water Aquatic Life Fresh/Chronic 173-201A WAC	Surface Water Aquatic Life Fresh/Chronic CWA §304	Surface Water Aquatic Life Fresh/Chronic NTR 40 CFR 131	Surface Water Human Health Fresh Water CWA §304	Surface Water Human Health Fresh Water NTR 40 CFR 131	2015 Vapor Intursion Groundwater Screening Level Method B Noncancer	2015 Vapor Intrusion Groundwater Screening Level Method B Cancer	PQLs	Preliminary Screening Level
SVOCs (Continued)																	
bis(2-Ethylhexyl) adipate		9,600.00	72.92													1.0	73
Butyl benzyl phthalate		3,200	46	1,265	8							1,500				1.0	8.3
Carbazole																1.0	--
Chrysene			11.99		29.60							0.00	0.00			0.01	0.01
Dibenz[a,h]anthracene			0.01		0.03							0.00	0.00			0.01	0.01
Dibenzofuran		16														1.0	16
Diethyl phthalate		12,800		28,412								17,000	23,000			1.0	12,800
Dimethyl phthalate												270,000	313,000			1.0	270,000
Di-n-butyl phthalate		1,600														1.0	1,600
Di-n-octyl phthalate		160														1.0	160
Fluoranthene		640		86								130	300			0.1	86
Fluorene		640		3,457								1,100	1,300			0.1	640
Hexachlorobenzene		12.80	0.05	0.24	0.00							0.00	0.00			1.0	1.0
Hexachlorobutadiene		8.00	0.56	925.93	29.68							0.44	0.44			1.0	1.0
Hexachlorocyclopentadiene		48		3,618								40	240			1.0	40
Hexachloroethane		5.60	1.09	20.86	1.86							1.40	1.90			1.0	1.09
Indeno[1,2,3-cd]pyrene			0.12		0.30							0.00	0.00			0.01	0.01
Isophorone		1,600.00	46.05	117,845.12	1,550.59							35.00	8.40			1.0	8.4
1-Methylnaphthalene		560.00	1.51													1.0	1.5
2-Methylnaphthalene		32														1.0	32
Naphthalene	160	160		4,714										167	9	1.0	8.9
Nitrobenzene		16		1,788								17	17	10,514	160	1.0	16.0
N-Nitrosodimethylamine		0.0640	0.0009	797.7208	4.8880							0.0007	0.0007			1.0	1.0
N-Nitroso-di-n-propylamine			0.01		0.84							0.01				1.0	1.0
N-Nitrosodiphenylamine			17.86		9.45							3.30	5.00			1.0	3.3
Pentachlorophenol		80.00	0.22	1,178.45	1.47	20.27	19.00	20.00	12.79	15.00	13.00	0.27	0.28			5.0	5.0
Phenanthrene																0.1	--
Phenol		2,400		555,556								21,000	21,000			1.0	2,400.0
Pyrene		480		2,593								830	960			0.1	480.0
Pyridine		8.00														1.0	8.0

TABLE 7-2

GROUNDWATER CLEANUP LEVELS

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in micrograms per liter (µg/L)

Constituents	Ground Water Method A	Ground Water Method B Non cancer	Ground Water Method B Cancer	Surface Water Method B Non cancer	Surface Water Method B Cancer	Surface Water Aquatic Life Fresh/Acute 173-201A WAC	Surface Water Aquatic Life Fresh/Acute CWA §304	Surface Water Aquatic Life Fresh/Acute NTR 40 CFR 131	Surface Water Aquatic Life Fresh/Chronic 173-201A WAC	Surface Water Aquatic Life Fresh/Chronic CWA §304	Surface Water Aquatic Life Fresh/Chronic NTR 40 CFR 131	Surface Water Human Health Fresh Water CWA §304	Surface Water Human Health Fresh Water NTR 40 CFR 131	2015 Vapor Intursion Groundwater Screening Level Method B Noncancer	2015 Vapor Intrusion Groundwater Screening Level Method B Cancer	PQLs	Preliminary Screening Level
PCBs																	
Aroclor 1016		1.12	1.25	0.01	0.00						0.01					0.050	0.050
Aroclor 1221																0.050	--
Aroclor 1232																0.050	--
Aroclor 1242																0.050	--
Aroclor 1248																0.050	--
Aroclor 1254		0.32	0.04	0.00	0.00						0.01					0.050	0.050
Aroclor 1260			0.04								0.01					0.050	0.050
Total PCBs	0.1		0.04		0.0001	2.00			0.01	0.01	0.14	0.00006	0.00017			0.050	0.050

Notes
1. MTCA Method A values used since Method B not available

Abbreviations
µg/L = micrograms per liter
CFR = Code of Federal Regulations
CWA = Clean Water Act
MTCA = Model Toxics Control Act
NTR = National Toxics Rule
PCBs = polychlorinated biphenyls
PQL = laboratory practical quantitation limit
SVOCs = semivolatile organic compounds
TPH = total petroleum hydrocarbons
VOCs = volatile organic compounds
WAC = Washington Administrative Code

TABLE 7-3

CONSTITUENTS OF CONCERN IN SOIL AND GROUNDWATER

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Medium	Constituent Class	Constituent Detected	Maximum Detection	Location of Maximum Detection	Prelimary Screening Level	Constituent of Concern?
Soil	TPH (mg/kg)	Diesel Range Organics	11,000	B7-Piping-S1B	2,000	yes
		Lube Oil	5,600	B7-Piping-S2	2,000	yes
		Gasoline Range Organics	8,400	KM-8	30/100	yes
	Metals (mg/kg)	Aluminum	8,820	NE	32,600	no
		Arsenic	15	KM-15	10	yes
		Barium	400	KM-16	824	no
		Cadmium	1.8	KM-1	1	yes
		Chromium	44	KM-16	48	no
		Copper	110	TP4	36	yes
		Lead	410	KM-15	220	yes
		Mercury	0.83	KM-15	0.5	yes
		Nickel	27	Containment-S-Wall	63	no
		Zinc	150	KM-1	85	yes
	PCBs (mg/kg)	Aroclor 1254	0.43	KM15-B08-5C	70	no
		Aroclor 1260	0.68	KM15-B08-59C	--	no
	VOCs (mg/kg)	1,1-Dichloroethane	0.02	KM-11	0.04	no
		1,2,4-Trimethylbenzene	120	KM-10	--	no
		1,3,5-Trimethylbenzene	39	KM-10	35,000	no
		2-Butanone	0.033	Product-W1b-Wall	2,100,000	no
		Acetone	10	Tank-8-B	29	no
		Benzene	1.9	KM-36	0.004	yes
		Carbon disulfide	0.188	E	2.8	no
		Ethylbenzene	440	KM-10	4.6	yes
		Isopropylbenzene	13	KM-10	350,000	no
		Methyl Isobutyl Ketone	47	KM-7	280,000	no
		Methylene Chloride	0.013	KM-28	0.02	no
		Naphthalene	150	KM-10	0.2	yes
		m,p-Xylene	2,400	KM-10	17	yes
		o-Xylene	660	KM-10	4	yes
		Total Xylenes	3,060	KM-10	17	yes
		n-Butylbenzene	13	KM-10	175,000	no
		n-Propylbenzene	17	KM-10	3.3	no
		p-Isopropyltoluene	9.7	KM-10	--	no
		sec-Butylbenzene	7.3	KM-10	350,000	no
		tert-Butylbenzene	0.08	TANK2-SOIL-S3	350,000	no
		Tetrachloroethene	0.0043	KM-15	0.01	no
		Toluene	1,200	KM-7	4.7	yes
		Trichloroethene	0.011	KM-16	0.004	yes
		Trichloroflouromethane	0.0042	KM-11	1,050,000	no
	SVOCs (mg/kg)	(3+4)-Methylphenol (m,p-Cresol)	4.1	KM-7	17,500	no
		2,4-Dimethylphenol	1.6	KM-10	1.3	yes
		2-Methylphenol (o-Cresol)	3.5	KM-7	2.3	yes
		Acenapthene	5.8	Tank-soil-B1	66	no
		Acenaphthylene	0.93	Tank-soil-B1	--	no
		Anthracene	3.3	Tank-soil-B1	2,275	no
		Benzo[a]anthracene	11	Tank-soil-B1	0.07	yes
		Benzo[a]pyrene	51	B7-Piping-S2	0.19	yes
		Benzo[b]fluoranthene	20	Tank-soil-B1	0.2	yes
		Benzo[g,h,i]perylene	10	Tank-soil-B1	--	no
		Benzo[k]fluoranthene	6	Tank-soil-B1	0.25	yes
		Bis(2-ethylhexyl)phthalate	0.2	Pipe-C1	2.6	no
		bis-2-Ethylhexyladipate	0.095 J	KM-16	109,375	no
		Carbazole	0.85	KM-10	--	no
		Chrysene	15	Tank-soil-B1	0.08	yes
		Dibenz[a,h]anthracene	3.2	Tank-soil-B1	0.36	yes
		Dibenzofuran	1.8	Tank-soil-B1	0.09	yes
		Flouranthene	14	Tank-soil-B1	85	yes
		Flourene	3.6	Tank-soil-B1	101	no
		Indeno[1,2,3-cd]pyrene	8.4	Tank-soil-B1	0.7	yes
		1-Methylnaphthalene	12	Tank-soil-B1	4,526	no
		2-Methylnaphthalene	18	KM-10	14,000	no
		Naphthalene	71	KM-10	0.2	yes
		Phenanthrene	12	Tank-soil-B1	--	no
		Pyrene	14	Tank-soil-B1	655	no
		Total cPAHs	16	Tank-soil-B1	0.19	yes

TABLE 7-3

CONSTITUENTS OF CONCERN IN SOIL AND GROUNDWATER

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Medium	Constituent Class	Constituent Detected	Maximum Detection	Location of Maximum Detection	Prelimary Screening Level	Constituent of Concern?
Groundwater[2]	TPH[1] (µg/L)	Diesel Range Organics	--	--	500	yes
		Lube Oil	1,500	Contain-GW	500	yes
		Gasoline Range Organics	510,000	Contain-GW	800/1,000	yes
	Metals (µg/L)	Arsenic	58	Contain-GW	3.3	yes
		Chromium	110	Contain-GW	50	yes
		Copper	310	Contain-GW	10	yes
		Lead	500	Contain-GW	1.1	yes
		Mercury	0.88	Contain-GW	0.5	yes
		Nickel	120	Contain-GW	49	yes
		Zinc	2,000	Contain-GW	50	yes
	VOCs (µg/L)	(cis) 1,2-Dichloroethene	11	KM-17	16	no
		(trans) 1,2-dichloroethene	0.23	KM-17	160	no
		1,1,1-Trichloroethane	0.33	KM-17	5,238	no
		1,1-Dichloroethane	0.77	KM-17	7.7	no
		1,2-Dichloroethane	0.28	KM-17	0.38	no
		1,2,4-Trimethylbenzene	430	Contain-GW	28	yes
		1,3,5-Trimethylbenzene	120	Contain-GW	80	yes
		Acetone	13,000	Product-GW	7,200	yes
		Benzene	93	KM-36	0.80	yes
		Chloroform	0.37	KM-17	1.2	no
		Ethylbenzene	13,000	Contain-GW	530	yes
		Isopropylbenzene	44	KMW-03	800	no
		Naphthalene	1000	KM-22	8.9	yes
		n-Butylbenzene	5.5	KM-19	400	no
		n-Propylbenzene	47	KMW-03	800	no
		m,p-Xylene	45,000	Contain-GW	1,600	yes
		o-Xylene	13,000	Product-GW	440	yes
		p-Isopropyltoluene	3	KM-16	--	no
		sec-Butylbenzene	13	KM-19	800	no
		tert-Butylbenzene	1.3	KM-16	800	no
		Styrene	2.9	KMW-03	1,600	no
		Toluene	17,000	Product-GW	640	yes
		Trichloroethene	9	KM-17	0.54	yes
		Trichlorofluoromethane	0.27	KM-17	120	no
		Vinyl Chloride	3.8	KM-16	0.20	yes
	SVOCs (µg/L)	(3+4)-Methylphenol (m,p-Cresol)	9.7	KM-22	--	no
		1,4-Dinitrobenzene	1.6	KM-9	1.6	no
		2,4-Dimethylphenol	20	Product-GW	160	no
		2-Methylphenol (o-Cresol)	14	Product-GW	400	no
		Acenaphthene	180	Contain-GW	648	no
		Acenaphthylene	0.12	KM-10	--	yes
		Anthracene	310	Contain-GW	4,800	no
		Benzo[a]anthracene	150	Contain-GW	0.01	yes
		Benzo[a]pyrene	120	Contain-GW	0.01	yes
		Benzo[b]fluoranthene	160	Contain-GW	0.01	yes
		Benzo[g,h,i]perylene	72	Contain-GW	--	yes
		Benzo[k]fluoranthene	46	Contain-GW	0.01	yes
		bis(2-Ethylhexyl)phthalate	7.7	KM-29	1.2	yes
		Carbazole	91	Contain-GW	--	no
		Chrysene	180	Contain-GW	0.01	yes
		Dibenz[a,h]anthracene	21	Contain-GW	0.01	yes
		Dibenzofuran	110	Contain-GW	16	yes
		Dimethylphthalate	32	Product-GW	270,000	no
		Di-n-octylphthalate	1.4	KM-10	160	no
		Fluoranthene	530	Contain-GW	86	yes
		Fluorene	180	Contain-GW	640	no
		Indeno[1,2,3-cd]pyrene	72	Contain-GW	0.01	yes
		1-Methylnaphthalene	44	Contain-GW	1.5	yes
		2-Methylnaphthalene	95	Contain-GW	32	yes
		Naphthalene	670	Contain-GW	8.9	yes
		Phenanthrene	830	Contain-GW	--	yes
		Pyrene	430	Contain-GW	480	no

Notes:
1. TPH in the diesel range and lube oil ranges were only detected in grab samples collected from open UST excavations, not in groundwater samples collected from monitoring wells. However, they are inlcuded as COPCs due to the presence of high concentrations in soil samples collected on site.
2. Parameters collected to evaluate groundwater geochemistry (Table 5-8) are not included as COPCs.

Abbreviations
-- = no screening level established
µg/L = micrograms per liter
COPC = constituent of potential concern
mg/kg = milligrams per kilogram
PCBs = polychlorinated biphenyls
SVOCs = semivolatile organic compounds
TPH = total petroleum hydrocarbons
UST = underground storage tank
VOCs = volatile organic compounds

TABLE 8-1

2015 IN-SITU SOIL EXCAVATION SUMMARY
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Excavation Name	Excavation Dimensions (feet)	Date	Weight Tickets	Subtotal (tons)
Bldg 8	Slab Removal	2/25/2015	21.46	119.0
			29.96	
			19.9	
			19.6	
			28.09	
KM-19	10' x 10' x 7.0' D	2/26/2015	30.19	30.2
KM-32	10' x 10' x 2.5' D	2/26/2015	14.42	14.4
KM-30	10' x 10' x 5.5' D	2/26/2015	14.42	38.7
			24.31	
Piping excavation phase 1	6' x 60' x 5 'D (north end) + 6' x 30' x 4.5' D (south end) + 6' x 30' x 4.5' D (diagonal)	2/26-27/2015	34.13	168.3
			30.41	
			21.72	
			23.57	
			28.87	
			29.55	
Bldg 8, KM-39 scale pit	10' x 10' x 4.5' D	3/5/2015	30.82	30.8
Bldg 8, phase 2, 1-foot lift	see Phase 2 map	3/5/2015	27.06	85.9
			28.49	
			30.38	
Piping ex. - phase 2	8' W x 62' L x 5.5' D (north end)	3/5-13/2015	23.08	146.0
			33.53	
			27.91	
			30.04	
			31.42	
Bldg 8, phase 3 (depth varies)	See phase 3 map	3/13/2015	30.75	62.6
			31.88	
Bldg 8, phase 4	See phase 4 map	3/25/2015	28.59	56.3
			27.68	
Bldg 8, Scale Pits (stockpile)	(15' x 18' x 6' D) - (15' x 12' x 3' [crawlspace])	3/25/2015	26.8	72.2
			20.46	
			24.96	
Piping ex. - phase 3 (south end)	~ 15' W (E-W) x 30' L (N-S) x 3' D	3/25/2015	31.53	61.4
			29.9	

TABLE 8-1

2015 IN-SITU SOIL EXCAVATION SUMMARY
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Excavation Name	Excavation Dimensions (feet)	Date	Weight Tickets	Subtotal (tons)
SVE Pipe Installation	7' x 100' x 6' D (west main trench) + 4' x 70' x 4' D (west side trenches) + 7' x 270' x 7' D (east main trench) + 4' x 150' x 7' D (east side trenches)	6/15/2015-6/26/2015 & 10/15/2015-10/21/2015	11.09	207.8
			11.83	
			13.1	
			14.71	
			5.65	
			17.32	
			6.39	
			14.96	
			6.07	
			16.65	
			6.24	
			17.31	
			6.42	
			16.18	
			6.02	
			15.63	
			0.89	
			16.51	
			4.85	
Utility Excavation	2' x 100' x 2' D (west end) + 29' x 4.5' x 3' D (east end)	11/3/2015 11/10/2015 11/13/2015	15.85	33.9
			11.2	
			6.87	
			Total	**1127.6**

Abbreviations:
D = depth
E = east
L = length
N = north
S = south
SVE = soil vapor extraction
W = west

TABLE 8-2

2015 IN-SITU SOIL TREATMENT SUMMARY
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

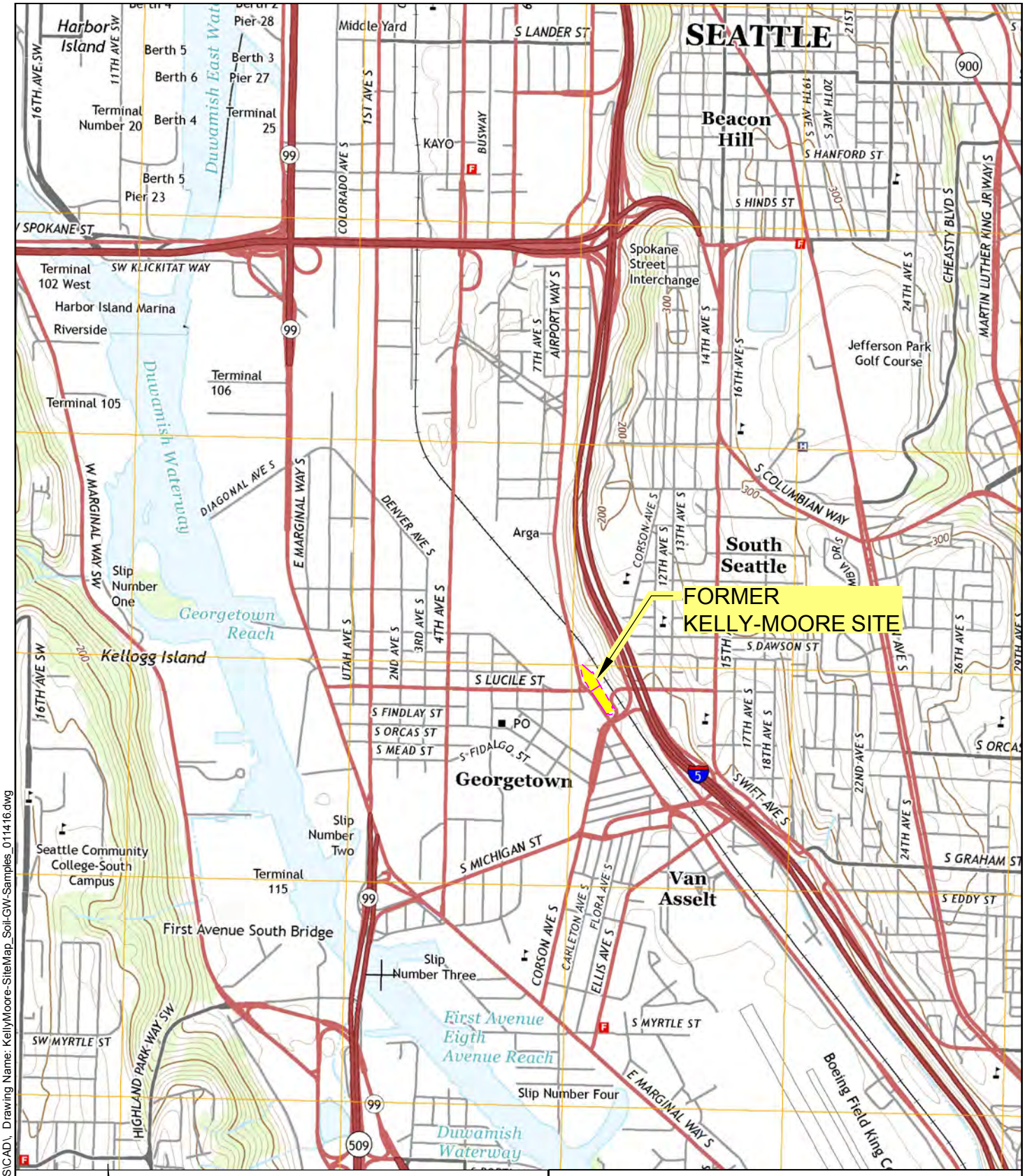
Excavation	Date	Footprint Dimensions (feet)	Area (square feet)	Oxidant and ORC Dosing				
				Volume (cubic yards)	Weight (pounds)	Oxidant[1,2] (pounds)	Oxidant (% by mass)	ORC (pounds)
KM-19	3/6/2015	10 x 10	100	11.1	28,900	275	1.0%	99
KM-30	3/6/2015	10 x 10	100	11.1	28,900	275	1.0%	99
KM-39 (west scale pit ex.)	3/16/2015	10 x 10	100	11.1	28,900	280	1.0%	99
KM-41 (main scale pit ex.)	3/25/2015	15 x 18	270	30.0	78,000	820	1.1%	161
Piping trench, north end	3/16/2015	15 x 60	900	100.0	260,000	1750	0.7%	314
Piping trench, south end	3/16/2015	8 x 30	240	26.7	69,300	1600	2.3%	220
			Totals	**190**	**494,000**	**5000**	**NA**	**992**

Notes
1. Oxidant mixed 1 yard deep in all excavations.
2. Regenox mixed at a 4:1 ratio of part A: part B.

Abbreviations
NA= Not applicable
ORC = oxygen release compound

amec
foster
wheeler

FIGURES



N

0 1,000 2,000

APPROXIMATE SCALE IN FEET

amec foster wheeler

PROJECT LOCATION
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 01/21/16	Project No. 14697
Amec Foster Wheeler Environment & Infrastructure, Inc.		Figure **2-1**

Plot Date: 01/21/16 - 12:40pm, Plotted by: adam.stenberg
Drawing Path: S:\14697\014_2015-RIFS\CAD\, Drawing Name: KellyMoore-SiteMap_Soil-GW-Samples_011416.dwg

BNSF RAILROAD

AIRPORT WAY SOUTH

AIRPORT WAY SOUTH

S. LUCILE ST.

BLDG 7

BLDG 6

BLDG 8

BLDG 10

LOADING DOCK

LOADING DOCK

PARKING LOT

PARKING LOT

SCALE PITS

COURT YARD

BLDG 9

BLDG 8

BLDG 8

OFFICE 12

OFFICE 9

4 WAREHOUSE

3 WAREHOUSE

5 STORAGE

5a MFG

2 WAREHOUSE

1 WAREHOUSE

12 WAREHOUSE

KMW-01

KMW-02

KMW-03

KMW-04

KMW-05

EXPLANATION

KMW-04 MONITORING WELL LOCATION

PROPERTY LINE

PARCEL LINE

BLDG 7 FORMER BUILDING NUMBER

JUNE 2010 AERIAL COURTESY OF GOOGLE EARTH

0 30 60

APPROXIMATE SCALE IN FEET

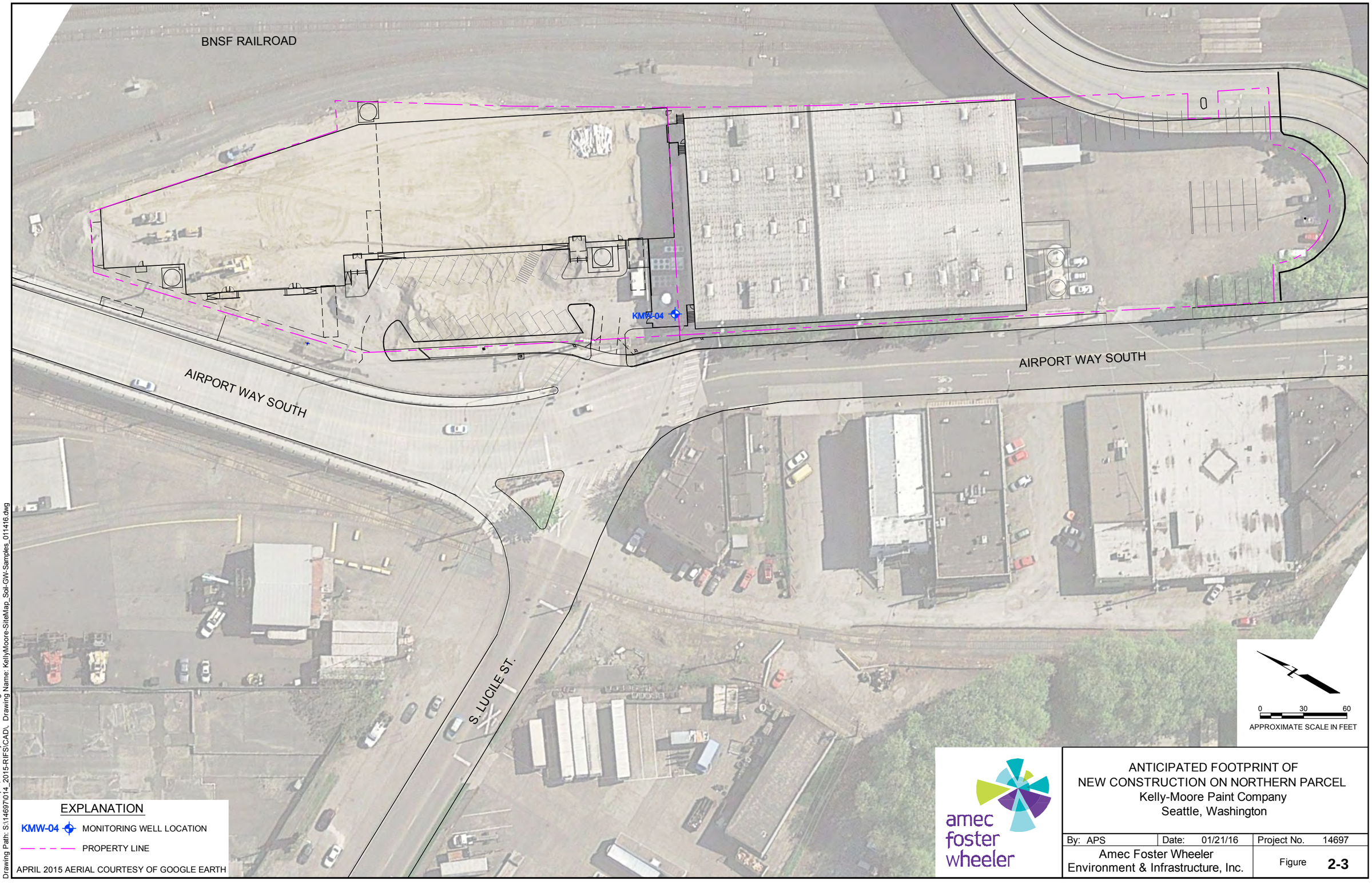
amec foster wheeler

SITE MAP PRIOR TO BUILDING DEMOLITION ON NORTHERN PARCEL

Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 01/21/16	Project No. 14697
Amec Foster Wheeler Environment & Infrastructure, Inc.		Figure **2-2**

Plot Date: 01/21/16 - 1:00pm, Plotted by: adam.stenberg
Drawing Path: S:\14697\014_2015-RI\CAD\, Drawing Name: KellyMoore-SiteMap_Soil-GW-Samples_011416.dwg



EXPLANATION

KMW-04 MONITORING WELL LOCATION

PROPERTY LINE

APRIL 2015 AERIAL COURTESY OF GOOGLE EARTH

amec foster wheeler

ANTICIPATED FOOTPRINT OF
NEW CONSTRUCTION ON NORTHERN PARCEL
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 01/21/16	Project No. 14697
Amec Foster Wheeler Environment & Infrastructure, Inc.		Figure **2-3**

Plot Date: 01/21/16 - 1:11pm, Plotted by: adam.sterberg
Drawing Path: S:\14697\014_2015-RI\FS\CAD\, Drawing Name: KellyMoore-SiteMap_Soil-GW-Samples_011416.dwg

BNSF RAILROAD

AIRPORT WAY SOUTH

AIRPORT WAY SOUTH

S. LUCILE ST.

9.5' EXCAVATION DEPTH

10.5' EXCAVATION DEPTH

5.5' EXCAVATION DEPTH

VAPOR BARRIER UNDER SOUTH WAREHOUSE

4.5' EXCAVATION DEPTH

5.5' EXCAVATION DEPTH

7.0' EXCAVATION DEPTH

3 WAREHOUSE

4 WAREHOUSE

5 STORAGE

5a MFG

BLDG 7

BLDG 6

SVE-08

SVE-07

SVE-06

SVE-05

SVE-04

SVE-03

SVE-02

SVE-01

9.5' EXCAVATION DEPTH

LOADING DOCK

6.0' TO 7.0' EXCAVATION DEPTHS

BLDG 10

SCALE PITS

3.5' TRENCH DEPTH

LOADING DOCK

2 WAREHOUSE

1 WAREHOUSE

12 WAREHOUSE

BLDG 9

COURT YARD

BLDG 8

SVE-10

SVE-11

SVE-12

PARKING LOT

4.5' EXCAVATION DEPTH

2.5' EXCAVATION DEPTH

OFFICE 12

OFFICE 9

BLDG 8

1.0' TO 4.0' EXCAVATION DEPTHS

APPROX. 5' TRENCH DEPTH

3.0' TRENCH DEPTH

APPROX. 8' TRENCH DEPTH

APPROX. 5' TRENCH DEPTH

EXPLANATION

- EXCAVATION AREA
- REMOVED UST LOCATION
- VAPOR BARRIER
- SVE-07 — HORIZONTAL SOIL VAPOR EXTRACTION WELL LOCATION
- REMEDIATION PIPING LAYOUT
- PROPERTY LINE
- PARCEL LINE
- FENCE LINE
- BLDG 7 — FORMER BUILDING NUMBER

APRIL 2015 AERIAL COURTESY OF GOOGLE EARTH

0 25 50

APPROXIMATE SCALE IN FEET

amec foster wheeler

PRIOR REMEDIATION ACTIVITIES
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 12/21/15	Project No. 14697
Amec Foster Wheeler Environment & Infrastructure, Inc.		Figure **2-4**

Plot Date: 12/21/15 - 4:24pm, Plotted by: adam.sternberg
Drawing Path: X:\amec\Working Drawings\KellyMoore-SiteMap_Soil-GW-Samples_121515 - Standard\, Drawing Name: KellyMoore-SiteMap_Soil-GW-Samples_121515.dwg

BNSF RAILROAD

AIRPORT WAY SOUTH

S. LUCILE ST.

AIRPORT WAY SOUTH

SAMPLE LOCATIONS

- SIDEWALL SAMPLE, FEBRUARY 2015
- BOTTOM SAMPLE, FEBRUARY 2015
- OCTOBER 2015
- MARCH 2011
- AUGUST 2010
- DECEMBER 2009
- OCT./NOV. 2009
- AUGUST 2009
- PRE-1998

EXPLANATION

- KMW-01 — MONITORING WELL LOCATION
- TP-2 — TEST PIT LOCATION
- EXCAVATION AREA
- CB — CATCH BASIN
- PROPERTY LINE
- FENCE LINE
- BLDG 7 — FORMER BUILDING NUMBER

0 30 60

APPROXIMATE SCALE IN FEET

amec foster wheeler

SOIL SAMPLE LOCATIONS
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 12/21/15	Project No. 14697
Amec Foster Wheeler Environment & Infrastructure, Inc.		Figure 3-1

Plot Date: 12/21/15 - 4:32pm, Plotted by: adam.stenberg
Drawing Path: X:\amec\Working Drawings\KellyMoore-SiteMap_Soil-GW-Samples_121515 - Standard\, Drawing Name: KellyMoore-SiteMap_Soil-GW-Samples_121515.dwg

BNSF RAILROAD

AIRPORT WAY SOUTH

AIRPORT WAY SOUTH

S. LUCILE ST.

3 WAREHOUSE

4 WAREHOUSE

5 STORAGE

5a MFG

BLDG 6

BLDG 7

BLDG 8

BLDG 8

BLDG 9

BLDG 10

1 WAREHOUSE

2 WAREHOUSE

12 WAREHOUSE

COURT YARD

OFFICE 12

OFFICE 9

LOADING DOCK

LOADING DOCK

PARKING LOT

PARKING LOT

SCALE PITS

PRODUCT-GW

CONTAIN-GW

KM-1 KM-2 KM-5 KM-7 KM-8 KM-9 KM-10 KM-14 KM-15 KM-16 KM-17 KM-18 KM-19 KM-20 KM-21 KM-22 KM-25 KM-27 KM-29 KM-30 KM-31 KM-32 KM-33 KM-34 KM-35 KM-36 KM-37 KM-39 KM-41 KM-44 KM-45 KM-46 KM-47 KM-48 KM-49 KM-50 KM-51 KM-52

KMW-01 KMW-02 KMW-03 KMW-04 KMW-05

TP-1 TP-2 TP-3 TP-4

SAMPLE LOCATIONS

- MARCH 2015
- JUNE 2013
- MARCH 2011
- AUGUST 2010
- DECEMBER 2009
- OCT./NOV. 2009
- AUGUST 2009

EXPLANATION

- KMW-01 MONITORING WELL LOCATION
- TP-2 TEST PIT LOCATION
- CB CATCH BASIN
- PROPERTY LINE
- FENCE LINE
- BLDG 7 FORMER BUILDING NUMBER

0 30 60

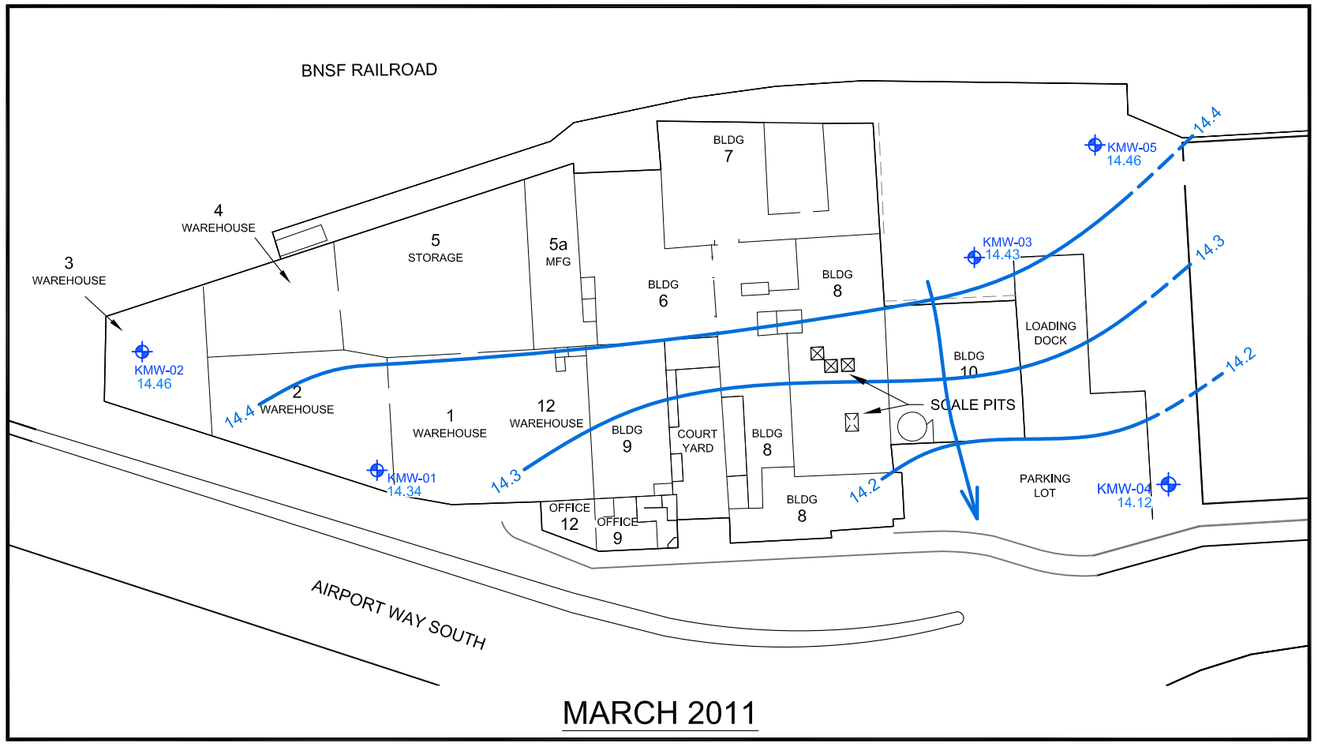
APPROXIMATE SCALE IN FEET

amec foster wheeler

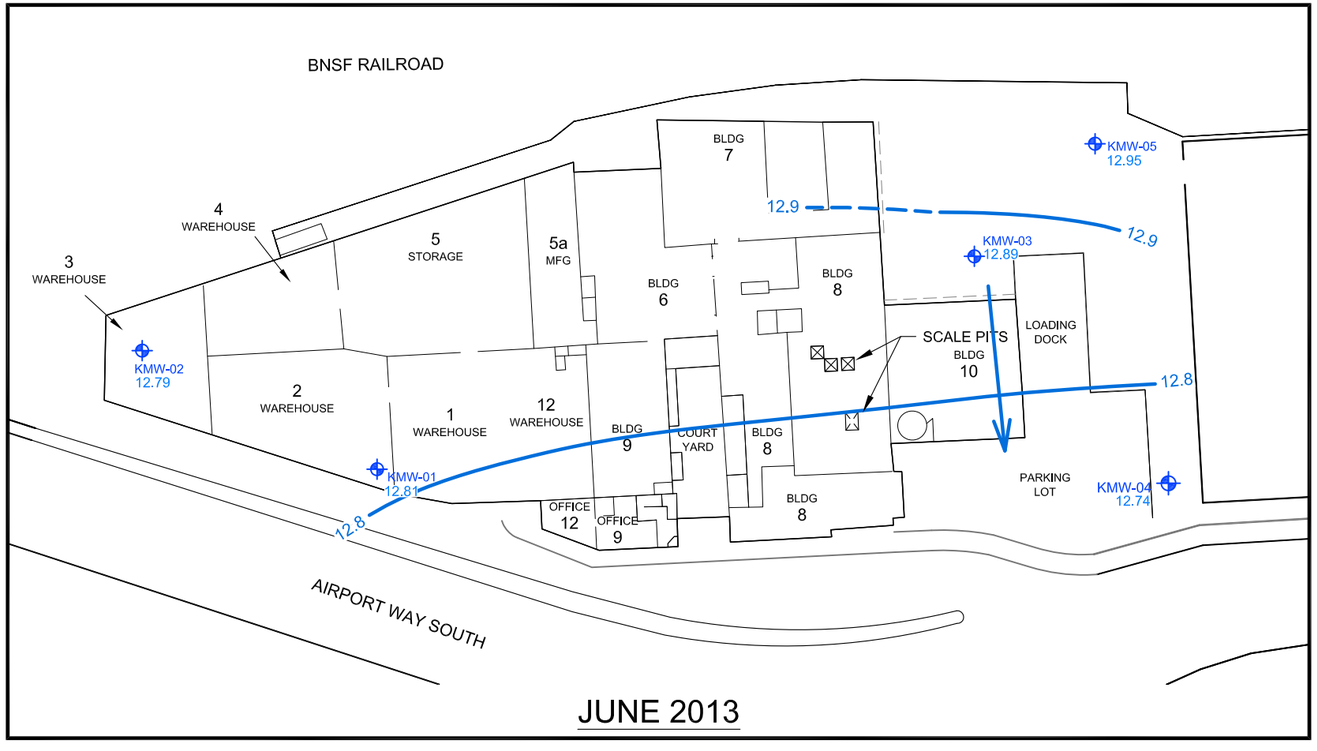
GROUNDWATER SAMPLE LOCATIONS
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 01/14/16	Project No. 14697
Amec Foster Wheeler Environment & Infrastructure, Inc.		Figure 3-2

Plot Date: 01/14/16 - 2:51pm, Plotted by: adam.stenberg
Drawing Path: S:\14697\014_2015-RI-FS\CAD\, Drawing Name: KellyMoore-SiteMap_Soil-GW-Samples_011416.dwg



MARCH 2011



JUNE 2013

EXPLANATION

- KMW-01 — MONITORING WELL LOCATION
- 14.34 — GROUNDWATER ELEVATION DATA IN FEET
- GROUNDWATER ELEVATION CONTOUR (0.1' INTERVAL) (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION
- BUILDING
- BLDG 7 — FORMER BUILDING NUMBER

0 30 60

APPROXIMATE SCALE IN FEET

amec foster wheeler

GROUNDWATER ELEVATIONS MARCH 2011 AND JUNE 2013 Kelly-Moore Paint Company Seattle, Washington

By: APS	Date: 12/04/15	Project No. 14697
Amec Foster Wheeler Environment & Infrastructure, Inc.		Figure 3-3

Plot Date: 12/04/15 - 11:55am, Plotted by: adam.stenberg
Drawing Path: S:\14697\014_2015-RIFS\CAD\, Drawing Name: KellyMoore-SiteMap_Soil-GW-Samples_120315.dwg

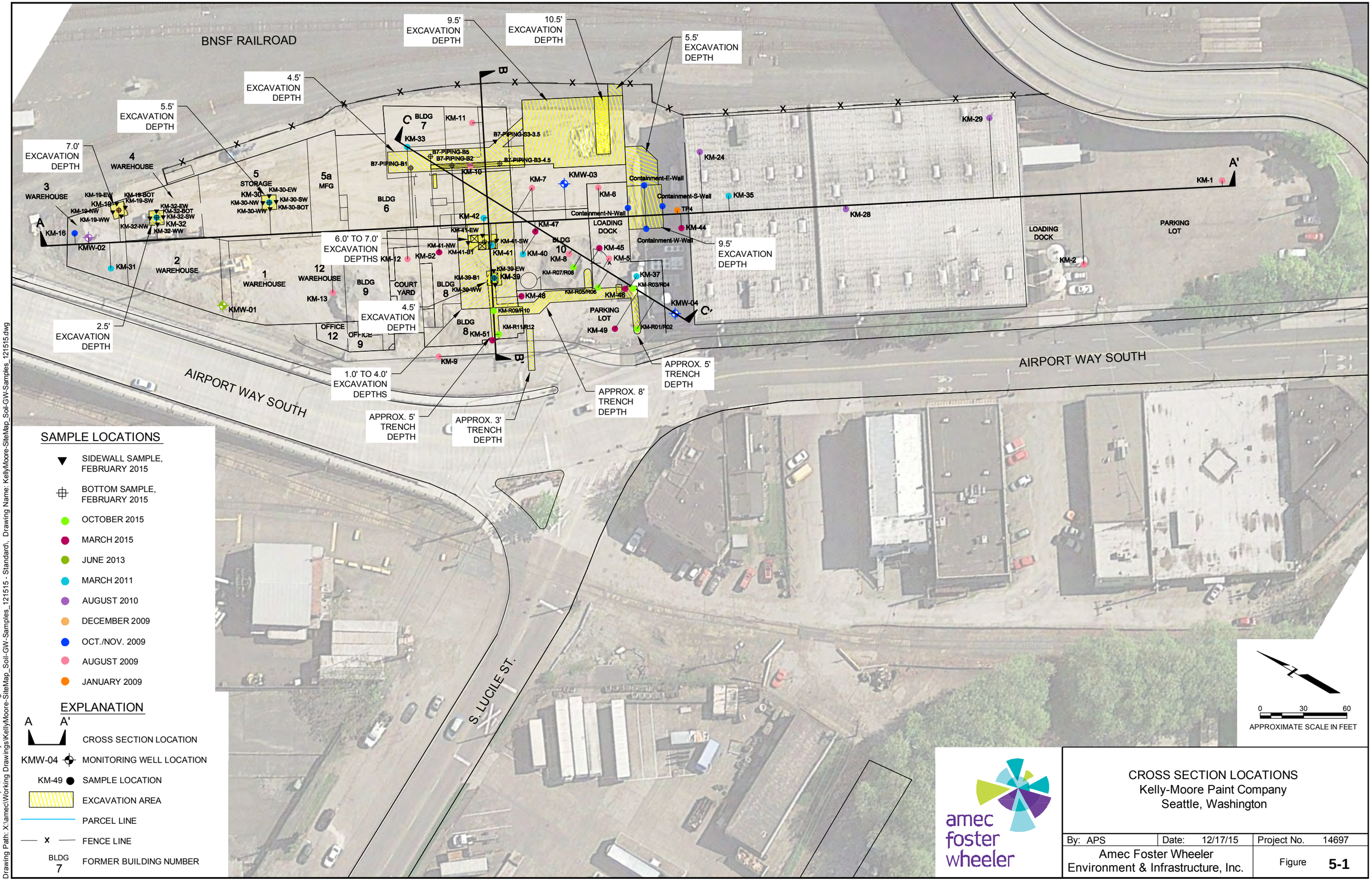


Plot Date: 01/21/16 - 1:51pm, Plotted by: adam.stenberg
Drawing Path: S:\14697\014_2015-RIFS\CAD\, Drawing Name: KellyMoore_PCB-SampLoc_11111115.dwg

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PCB SAMPLE LOCATIONS
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 01/21/16	Project No. 14697
Amec Foster Wheeler Environment & Infrastructure, Inc.		Figure **4-1**

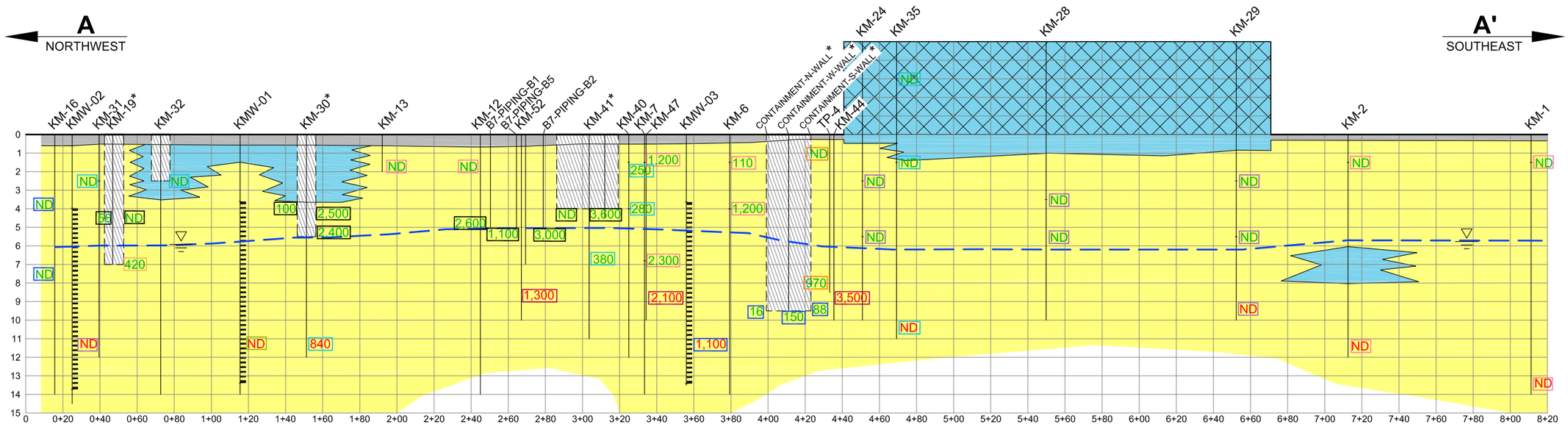


Plot Date: 12/17/15 - 2:56pm, Plotted by: adam.stenberg
Drawing Path: X:\amec\Working Drawings\KellyMoore-SiteMap_Soil-GW-Samples_121515 - Standard\, Drawing Name: KellyMoore-SiteMap_Soil-GW-Samples_121515.dwg

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CROSS SECTION LOCATIONS
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 12/17/15	Project No. 14697
Amec Foster Wheeler Environment & Infrastructure, Inc.		Figure **5-1**



GEOLOGY EXPLANATION

- CONCRETE/ASPHALT
- POORLY GRADED SAND WITH SILT AND SILTY SANDS
- GRAVEL WITH SILT AND SAND/ SAND WITH GRAVEL AND SILT
- SOUTH WAREHOUSE FILL, ABOVE SITE GRADE
- SOIL EXCAVATION
- APPROXIMATE WATER TABLE

400 TPH-G CONCENTRATION - SOIL (mg/kg)

840 TPH-G CONCENTRATION - GROUNDWATER (µg/L)

SCREENED INTERVAL AT PERMANENT MONITORING WELLS

NOTES:

RESIDUAL TPH-G CONCENTRATIONS SHOWN AT THE APPROXIMATE DEPTH SAMPLE WAS COLLECTED.

* CONFIRMATION SAMPLE CONCENTRATIONS

0 3 6 30 60

APPROXIMATE SCALE IN FEET
VERTICAL EXAGGERATION = 10x

SAMPLE DATE

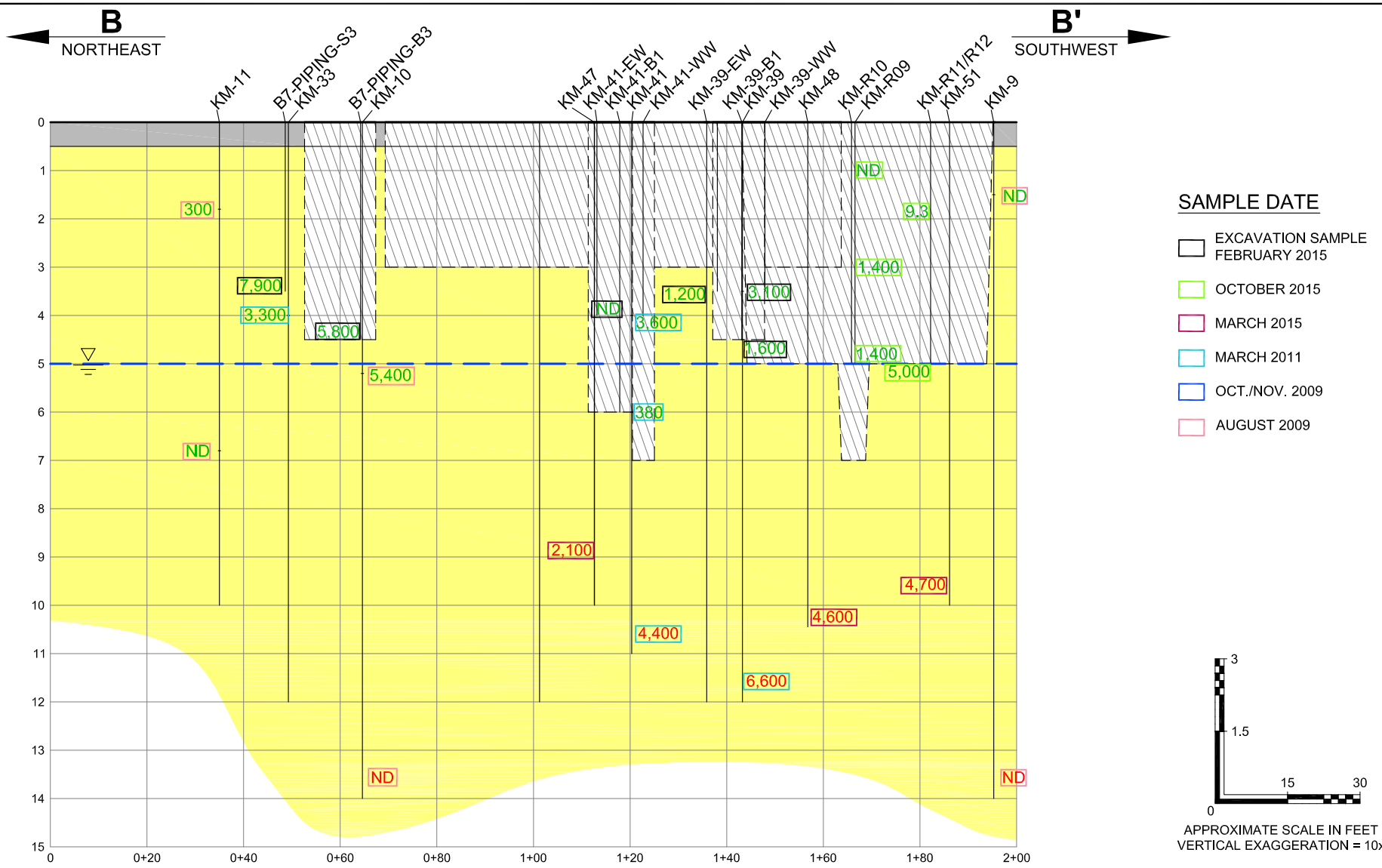
- EXCAVATION SAMPLE FEBRUARY 2015
- OCTOBER 2015
- MARCH 2015
- JUNE 2013
- MARCH 2011
- AUGUST 2010
- DECEMBER 2009
- OCT./NOV. 2009
- AUGUST 2009
- JANUARY 2009

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CROSS SECTION A-A'
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 12/17/15	Project No. 14697
Amec Foster Wheeler Environment & Infrastructure, Inc.		Figure **5-2**

Plot Date: 12/17/15 - 2:59pm, Plotted by: adam.stenberg
Drawing Path: X:\amec\Working Drawings\KellyMoore-SiteMap_Soil-GW-Samples_121515 - Standard\, Drawing Name: KellyMoore-SiteMap_Soil-GW-Samples_121515.dwg



GEOLOGY EXPLANATION

- CONCRETE/ASPHALT
- POORLY GRADED SAND WITH SILT AND SILTY SANDS
- SOIL EXCAVATION
- APPROXIMATE WATER TABLE

300 TPH-G CONCENTRATION - SOIL (mg/kg)

4,400 TPH-G CONCENTRATION - GROUNDWATER (µg/L)

NOTE:

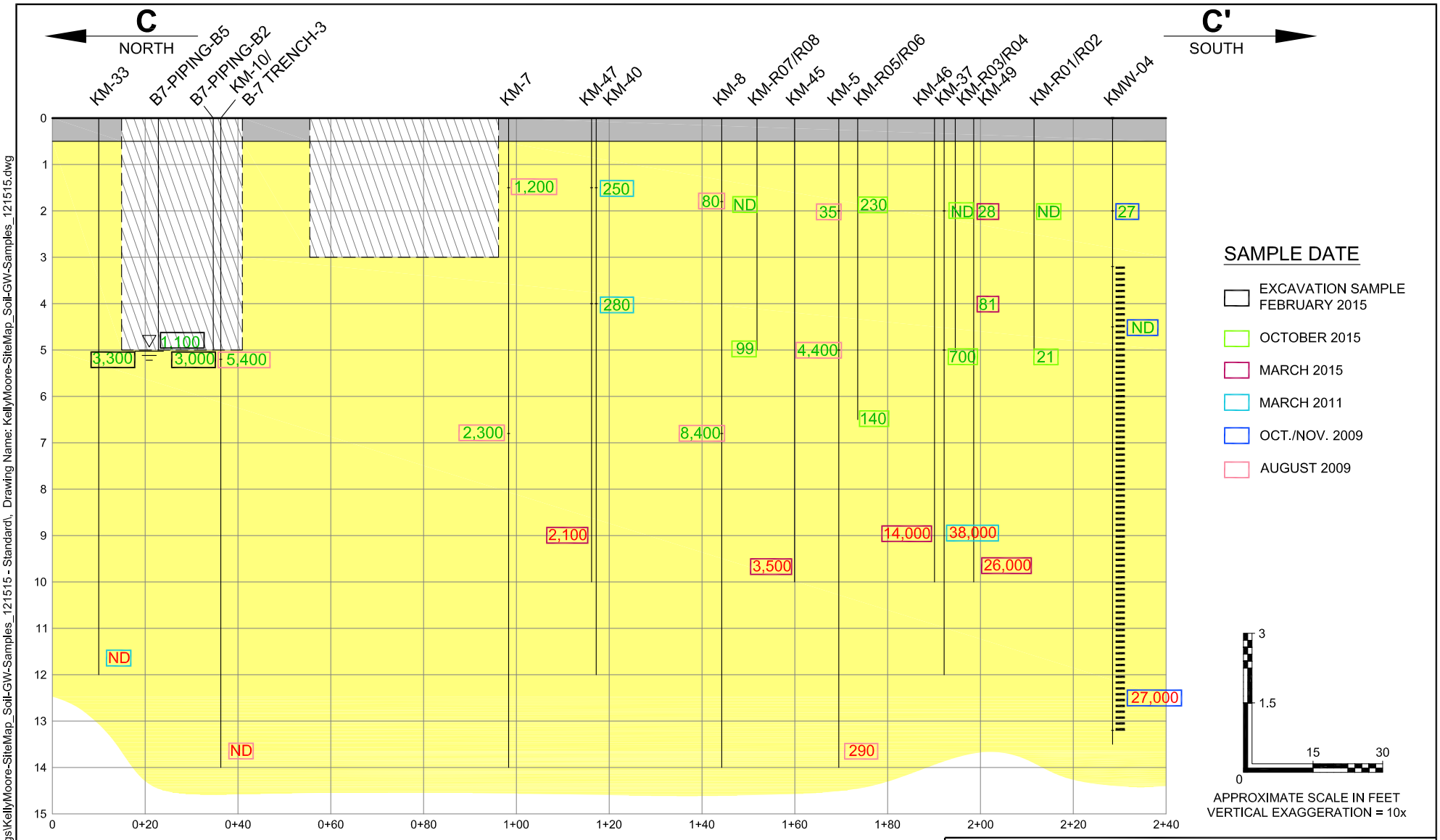
RESIDUAL TPH-G CONCENTRATIONS SHOWN AT THE APPROXIMATE DEPTH SAMPLE WAS COLLECTED.

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CROSS SECTION B-B'
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 12/17/15	Project No. 14697
Amec Foster Wheeler Environment & Infrastructure, Inc.		Figure 5-3

Plot Date: 12/17/15 - 4:19pm, Plotted by: adam.stenberg
Drawing Path: X:\amec\Working Drawings\KellyMoore-SiteMap_Soil-GW-Samples_121515 - Standard\, Drawing Name: KellyMoore-SiteMap_Soil-GW-Samples_121515.dwg



GEOLOGY EXPLANATION

- CONCRETE/ASPHALT
- POORLY GRADED SAND WITH SILT AND SILTY SANDS
- SOIL EXCAVATION
- APPROXIMATE WATER TABLE

300 TPH-G CONCENTRATION - SOIL (mg/kg)

4,400 TPH-G CONCENTRATION - GROUNDWATER (µg/L)

NOTE:

RESIDUAL TPH-G CONCENTRATIONS SHOWN AT THE APPROXIMATE DEPTH SAMPLE WAS COLLECTED.

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CROSS SECTION C-C'
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 12/17/15	Project No. 14697
Amec Foster Wheeler Environment & Infrastructure, Inc.		Figure 5-4

Plot Date: 12/17/15 - 4:20pm, Plotted by: adam.stenberg
Drawing Path: X:\amec\Working Drawings\KellyMoore-SiteMap_Soil-GW-Samples_121515 - Standard\, Drawing Name: KellyMoore-SiteMap_Soil-GW-Samples_121515.dwg

Product-E2-Wall	9'
As	12 U
Cd	0.58 U
Cr	18
Cu	26
Pb	5.8 U

Product-E1-Wall	9'
As	11 U
Cd	0.56 U
Cr	13
Cu	28
Pb	5.6 U

PIPE-1	5.5'
As	17 U
Cd	0.87 U
Cr	26
Cu	39
Pb	21

Containment-E-Wall	9.5'
As	12 U
Cd	0.59 U
Cr	21
Cu	13
Pb	5.9 U

Product-N-Wall	9'
As	13 U
Cd	0.64 U
Cr	7.2
Cu	9.3
Pb	6.4 U

Tank-9-B	9.5'
As	12 U
Cd	0.61 U
Cr	17
Cu	13
Pb	7.2

Tank-8-B	9.5'
As	12 U
Cd	0.59 U
Cr	15
Cu	30
Pb	5.9 U

Tank-7-B	9.5'
As	11 U
Cd	0.57 U
Cr	13
Cu	33
Pb	5.7 U

Tank-6-B	9.5'
As	11 U
Cd	0.56 U
Cr	7.8
Cu	9.3
Pb	5.6 U

Tank-5-B	9.5'
As	12 U
Cd	0.6 U
Cr	11
Cu	25
Pb	6 U

Tank-3-B	9.5'
As	12 U
Cd	0.58 U
Cr	16
Cu	26
Pb	5.8 U

Product-S-Wall	9'
As	12 U
Cd	0.61 U
Cr	5.6
Cu	5.3
Pb	6.1 U

Containment-N-Wall	9.5'
As	13 U
Cd	0.63 U
Cr	7.2
Cu	7
Pb	6.3 U

Tank-2-B	9.5'
As	12 U
Cd	0.62 U
Cr	8.9
Cu	9.5
Pb	6.2 U

Tank-1-B	9.5'
As	13 U
Cd	0.65 U
Cr	9.5
Cu	8.9
Pb	6.5 U

Containment-S-Wall	9.5'
As	12 U
Cd	0.61 U
Cr	24
Cu	11
Pb	6.1 U

B7-Trench-3	2.5'
As	11 U
Cd	1.8
Cr	15
Pb	200

KM-10	1.2'-1.5'	5.2'-5.5'
As	10 U	11 U
Cd	1.8	0.53 U
Cr	110	7.4
Pb	700	17

B7-Trench-2	2.5'
As	11 U
Cd	0.56 U
Cr	16
Pb	25

B7-Trench-1	2.5'
As	11 U
Cd	0.54 U
Cr	19
Pb	34

Product-W2b-Wall	9.5'
As	11 U
Cd	0.54 U
Cr	9.4
Cu	8.8
Pb	5.4 U

Product-W1b-Wall	9.5'
As	11 U
Cd	0.56 U
Cr	9
Cu	7.2
Pb	5.6 U

E	6'
As	2.19
Cd	0.5 U

Containment-W-Wall	9.5'
As	12 U
Cd	0.58 U
Cr	12
Cu	20
Pb	34

KM-11	1.8'-2'
As	13 U
Cd	0.63 U
Cr	9.4
Pb	44

NE	6'
As	2.21
Cd	0.5 U

Pipe-C1	5.5'
As	11 U
Cd	0.56 U
Cr	18
Cu	15
Pb	9.8

SE	6'
As	2.02
Cd	0.5 U

KM-15	3.8'-4'
As	15
Cd	0.6 U
Cr	26
Pb	410

KM-14	1.8'-2'
As	11 U
Cd	0.56 U
Cr	21
Pb	66

KM-26	8'-8.5'	11'-11.5'
As	10 U	12 U
Cd	1.9	0.58 U
Cr	7.3	5.8
Cu	8.1	8.9
Pb	5.2 U	5.8 U

KM-29	7.5'-8'	10.5'-11'
As	11 U	11 U
Cd	0.53 U	0.54 U
Cr	7	7.3
Cu	8.9	8.1
Pb	5.3 U	5.4 U

KM-24	7.5'-8'	10.5'-11'
As	11 U	12 U
Cd	0.55 U	0.61 U
Cr	8.3	8.2
Cu	10	8.1
Pb	9.6	6.1 U

KM-1	1.5'-2'	5.5'-6'
As	13 U	--
Cd	1.8	--
Cr	17	--
Cu	59	5.3 U
Pb	370	5.3 U

TP-4	1'	8'
As	14 U	11 U
Cd	0.68 U	0.55 U
Cr	13	6.8
Cu	110	8.1
Pb	52	5.5 U

KM-28	8.5'-9'	10.5'-11'
As	11 U	11 U
Cd	0.55 U	0.55 U
Cr	6.8	6
Cu	8.8	8.4
Pb	5.5 U	5.5 U

KM-16	3.8'-4'
As	14
Cd	0.54 U
Cr	44
Pb	14

KM-13	1.2'-1.5'
As	11 U
Cd	0.53 U
Cr	23
Pb	5.3 U

KM-12	1.8'-2'
As	11 U
Cd	0.53 U
Cr	7
Pb	5.3 U

KM-9	1.5'-2'
As	11 U
Cd	0.54 U
Cr	6.2
Cu	8.5
Pb	5.4 U

KM-8	1.8'-2'	6.8'-7'
As	13 U	11 U
Cd	0.65 U	0.54 U
Cr	20	7.4
Pb	12	5.4 U

KM-7	1.8'-2'	6.8'-7'
As	15 U	11 U
Cd	0.74 U	0.57 U
Cr	32	8
Pb	24	5.7 U

KM-5	2'-2.5'	6'-6.5'
As	13 U	11 U
Cd	0.64 U	0.53 U
Cr	6.1	6.3
Pb	6.4 U	5.3 U

KM-25	10.5'-11'
As	11 U
Cd	0.56 U
Cr	31
Cu	24
Pb	32

KM-23	7.5'-8'	10.5'-11'
As	11 U	12 U
Cd	0.53 U	0.58 U
Cr	8.6	6.5
Cu	23	9.6
Pb	20	5.8 U

KM-27	8'-8.5'	10.5'-11'
As	11 U	12 U
Cd	0.53 U	0.59 U
Cr	7.2	6.5
Cu	8.8	9.3
Pb	5.3 U	5.9 U

KM-22	6.5'-7'	12.5'-13'
As	13 U	12 U
Cd	0.64 U	0.59 U
Cr	21	8.1
Cu	86	8.8
Pb	190	5.9 U

KM-6	1.5'-2'	4'-4.2'
As	11 U	11 U
Cd	0.54 U	0.53 U
Cr	10	8.4
Pb	5.4 U	5.3 U

KM-2	1.5'-2'
As	11 U
Cd	0.73
Cr	10
Cu	21
Pb	26

BNSF RAILROAD

AIRPORT WAY SOUTH

AIRPORT WAY SOUTH

S. LUCILE ST.

SCALE PITS

LOADING DOCK

LOADING DOCK

PARKING LOT

PARKING LOT

COURT YARD

OFFICE 12

OFFICE 9

BLDG 7

BLDG 6

BLDG 8

BLDG 9

BLDG 10

BLDG 8

3 WAREHOUSE

4 WAREHOUSE

5 STORAGE

5a MFG

2 WAREHOUSE

1 WAREHOUSE

12 WAREHOUSE

KMW-02

KMW-04

KM-1 KM-2 KM-5 KM-6 KM-7 KM-8 KM-9 KM-10 KM-11 KM-12 KM-13 KM-14 KM-15 KM-16 KM-17 KM-20 KM-22 KM-23 KM-24 KM-25 KM-26 KM-27 KM-28 KM-29 KM-30 KM-31 KM-32 KM-33 KM-34 KM-35 KM-36 KM-37 KM-38 KM-39 KM-40 KM-41 KM-42 KM-43

KM-R01/R02 KM-R03/R04 KM-R05/R06 KM-R07/R08 KM-R09/R10 KM-R11/R12 KM-R13

TP-1 TP-2 TP-3 TP-4

PIPE-1 Product-E2-Wall Product-E1-Wall Product-N-Wall Product-S-Wall Product-W2b-Wall Product-W1b-Wall Containment-E-Wall Containment-S-Wall Containment-N-Wall Containment-W-Wall

TANK8-B TANK7-B TANK3-B TANK9-B TANK6-B TANK5-B TANK4-B TANK2-B TANK-1

B7-TRENCH-1 B7-TRENCH-2 B7-TRENCH-3

B7-PIPING-S1B B7-PIPING-S1 B7-PIPING-B1 B7-PIPING-S3 B7-PIPING-B5 TANK-SOIL-B1/B1B B7-PIPING-B3 B7-PIPING-S4 B7-PIPING-B2 B7-PIPING-S2 TANK 2-SOIL-S3 TANK 2-SOIL-B1 TANK 2-SOIL-B1 TANK 2-SOIL-S2

KM-19-EW KM-19 KM-19-BOT KM-19-SW KM-19-NW KM-19-WW KM-32-EW KM-32-BOT KM-32-SW KM-32 KM-32-NW KM-32-WW KM-30-EW KM-30 KM-30-SW KM-30-NW KM-30-BOT KM-30-WW KM-41-EW KM-41-B' KM-41-SW KM-41 KM-41-NW KM-41-WW KM09-8-78 KM09-8-79 KM-39-B1 KM-39-EW KM-39-SW KM-39-NW KM-39-WW KM-39

Containment-N-Wall Containment-W-Wall Containment-S-Wall Containment-E-Wall

E NE SE PIPE-C1

BOTTOM SAMPLE, FEBRUARY 2015

SIDEWALL SAMPLE, FEBRUARY 2015

SAMPLE LOCATIONS

- OCTOBER 2015
- MARCH 2011
- AUGUST 2010
- DECEMBER 2009
- OCT./NOV. 2009
- AUGUST 2009
- PRE-1998

EXPLANATION

- KMW-01 MONITORING WELL LOCATION
- TP-2 TEST PIT LOCATION
- EXCAVATION AREA
- CB CATCH BASIN
- PROPERTY LINE
- FENCE LINE
- BLDG 7 FORMER BUILDING NUMBER

KEY

PRELIMINARY SCREENING LEVEL

As = Arsenic	10
Cd = Cadmium	1
Cr = Chromium	48
Cu = Copper	36
Pb = Lead	220

9' = Depth of the top of the screen in feet below ground surface.
U = Analyte not detected at or above laboratory reporting limit indicated.

NOTES:

1. **BOLD** VALUE EXCEEDS PRELIMINARY SCREENING LEVEL.
2. SOIL CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM (mg/kg)

0 30 60

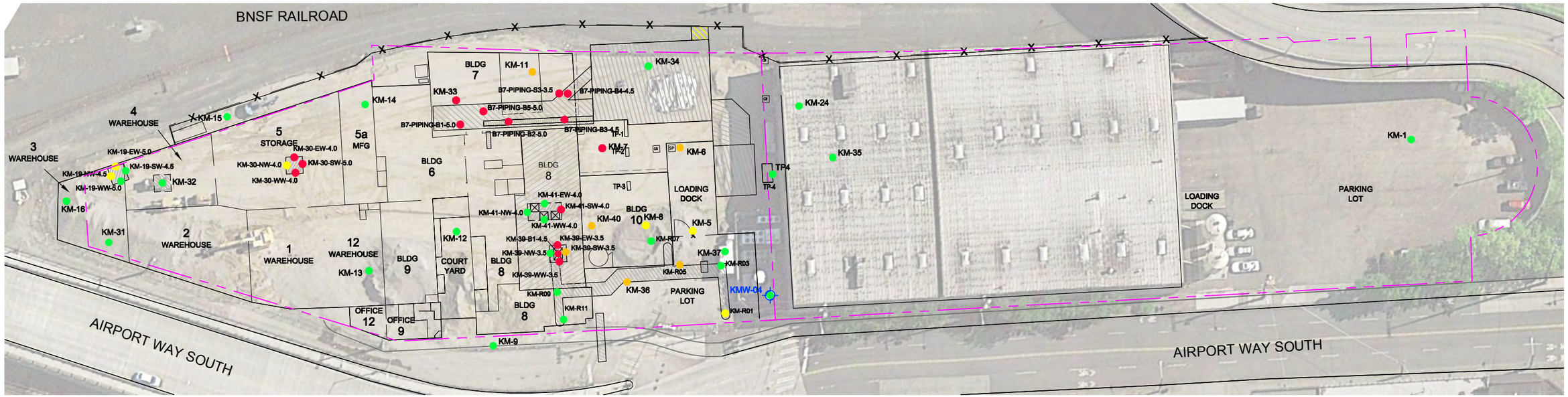
APPROXIMATE SCALE IN FEET

amec foster wheeler

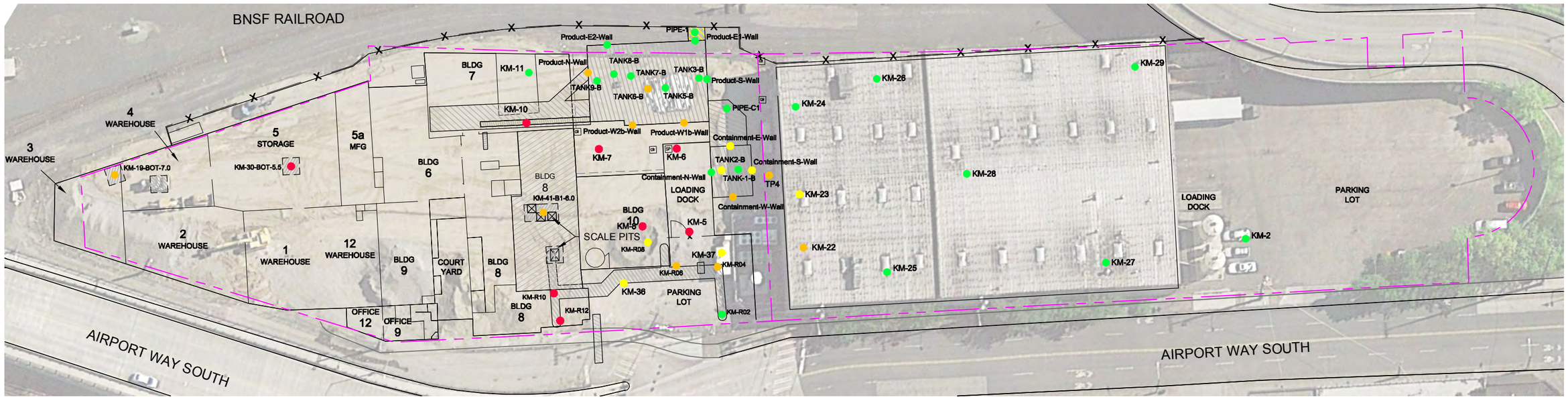
SOIL SUMMARY RESULTS METALS
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 12/22/15	Project No. 14697
Amec Foster Wheeler Environment & Infrastructure, Inc.		Figure 5-5

Plot Date: 12/22/15 - 4:10pm, Plotted by: adam.stenberg
Drawing Path: X:\amec\Working Drawings\KellyMoore-SiteMap_Soil-GW-Samples_121515 - Standard\, Drawing Name: KellyMoore-SiteMap_Soil-GW-Samples_121515.dwg



RESIDUAL TPH-G CONCENTRATIONS LESS THAN 5 FEET DEPTH



RESIDUAL TPH-G CONCENTRATIONS GREATER THAN 5 FEET DEPTH

EXPLANATION

- KMW-01 — MONITORING WELL LOCATION
- SAMPLE LOCATION
- EXCAVATION AREA
- PROPERTY LINE
- x FENCE LINE
- BLDG 7 — FORMER BUILDING NUMBER

RESIDUAL TPH-G KEY

- LESS THAN 30 mg/kg
- 30 - 100 mg/kg
- 100 to 1,000 mg/kg
- GREATER THAN 1,000 mg/kg

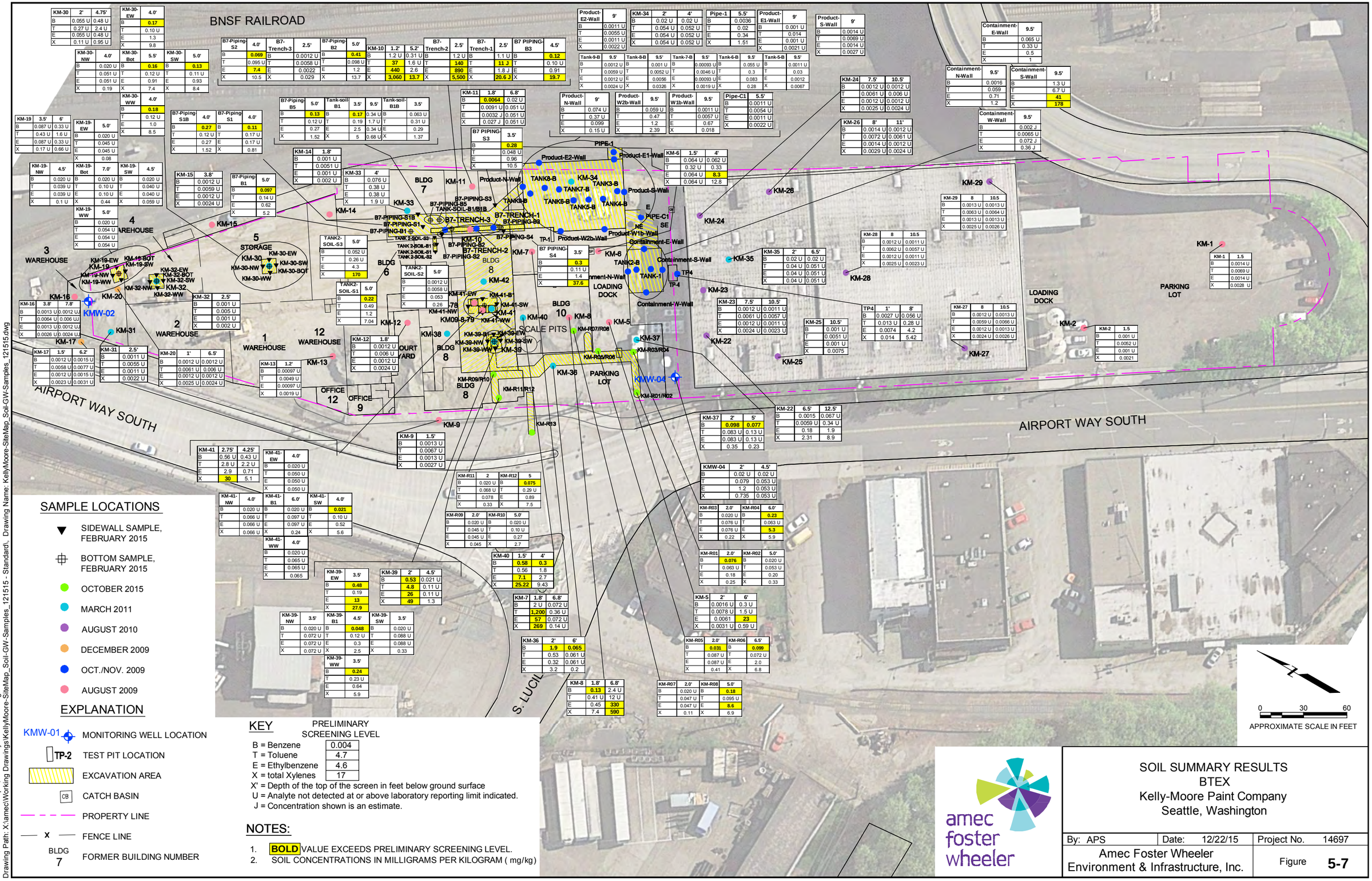
0 30 60
APPROXIMATE SCALE IN FEET

amec foster wheeler

SOIL SUMMARY RESULTS
TPH-G
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 12/21/15	Project No. 14697
Amec Foster Wheeler Environment & Infrastructure, Inc.		Figure 5-6

Plot Date: 12/21/15 - 4:47pm, Plotted by: adam.stenberg
Drawing Path: X:\amec\Working Drawings\KellyMoore-SiteMap_Soil-GW-Samples_121515.dwg
Drawing Name: KellyMoore-SiteMap_Soil-GW-Samples_121515 - Standard\



KM-30	2'	4.75'
B	0.055 U	0.48 U
T	0.27 U	2.4 U
E	0.055 U	0.48 U
X	0.11 U	0.95 U

KM-30-EW	4.0'
B	0.17
T	0.10 U
E	1.3
X	9.8

KM-30-NW	4.0'
B	0.020 U
T	0.051 U
E	0.051 U
X	0.19

KM-30-Bot	5.5'
B	0.16
T	0.12 U
E	0.91
X	7.4

KM-30-SW	5.0'
B	0.13
T	0.11 U
E	0.93
X	8.4

KM-30-WW	4.0'
B	0.18
T	0.12 U
E	1.0
X	8.5

KM-19	3.5'	6'
B	0.087 U	0.33 U
T	0.43 U	1.6 U
E	0.087 U	0.33 U
X	0.17 U	0.66 U

KM-19-EW	5.0'
B	0.020 U
T	0.045 U
E	0.045 U
X	0.08

KM-19-NW	4.5'
B	0.020 U
T	0.039 U
E	0.039 U
X	0.1 U

KM-19-Bot	7.0'
B	0.020 U
T	0.10 U
E	0.10 U
X	0.44

KM-19-SW	4.5'
B	0.020 U
T	0.040 U
E	0.040 U
X	0.059 U

KM-19-WW	5.0'
B	0.020 U
T	0.054 U
E	0.054 U
X	0.054 U

KM-16	3.8'	7.8'
B	0.0013 U	0.0012 U
T	0.0064 U	0.006 UJ
E	0.0013 U	0.0012 U
X	0.0026 U	0.0024 U

KM-17	1.5'	6.2'
B	0.0012 U	0.0015 U
T	0.0058 U	0.0077 U
E	0.0012 U	0.0015 U
X	0.0023 U	0.0031 U

KM-31	2.5'
B	0.0011 U
T	0.0055 U
E	0.0011 U
X	0.0022 U

KM-20	1'	6.5'
B	0.0012 U	0.0012 U
T	0.0061 U	0.006 U
E	0.0012 U	0.0012 U
X	0.0025 U	0.0024 U

KM-32	2.5'
B	0.001 U
T	0.005 U
E	0.001 U
X	0.002 U

KM-13	1.2'
B	0.00097 U
T	0.0049 U
E	0.00097 U
X	0.0019 U

KM-12	1.8'
B	0.0012 U
T	0.006 U
E	0.0012 U
X	0.0024 U

KM-41	2.75'	4.25'
B	0.56 U	0.43 U
T	2.8 U	2.2 U
E	2.9	0.71
X	30	5.1

KM-41-EW	4.0'
B	0.020 U
T	0.050 U
E	0.050 U
X	0.050 U

KM-41-NW	4.0'
B	0.020 U
T	0.066 U
E	0.066 U
X	0.066 U

KM-41-B1	6.0'
B	0.020 U
T	0.097 U
E	0.097 U
X	0.24

KM-41-SW	4.0'
B	0.021
T	0.10 U
E	0.52
X	5.6

KM-41-WW	4.0'
B	0.020 U
T	0.065 U
E	0.065 U
X	0.065

KM-9	1.5'
B	0.0013 U
T	0.0067 U
E	0.0013 U
X	0.0027 U

KM-11	1.8'	6.8'
B	0.0064	0.02 U
T	0.0091 U	0.051 U
E	0.0032 J	0.051 U
X	0.027 J	0.051 U

KM-11	2
B	0.020 U
T	0.068 U
E	0.078
X	0.33

KM-12	5
B	0.075
T	0.29 U
E	0.89
X	7.5

KM-09	2.0'
B	0.020 U
T	0.045 U
E	0.045 U
X	0.045

KM-10	5.0'
B	0.020 U
T	0.10 U
E	0.27
X	2.7

KM-40	1.5'	4'
B	0.58	0.3
T	0.56	1.8
E	7.1	2.7
X	25.22	9.43

KM-7	1.8'	6.8'
B	2 U	0.072 U
T	1,200	0.36 U
E	57	0.072 U
X	269	0.14 U

KM-36	2'	6'
B	1.9	0.065
T	0.53	0.061 U
E	0.32	0.061 U
X	3.2	0.2

KM-8	1.8'	6.8'
B	0.13	2.4 U
T	0.41 U	12 U
E	0.45	330
X	7.4	590

KM-37	2'	5'
B	0.098	0.077
T	0.083 U	0.13 U
E	0.083 U	0.13 U
X	0.35	0.23

KM-22	6.5'	12.5'
B	0.0015	0.067 U
T	0.0059 U	0.34 U
E	0.18	1.9
X	2.31	8.9

KM-04	2'	4.5'
B	0.02 U	0.02 U
T	0.079	0.053 U
E	1.2	0.053 U
X	0.735	0.053 U

KM-03	2.0'	KM-04	6.0'
B	0.020 U	B	0.23
T	0.076 U	T	0.063 U
E	0.076 U	E	5.3
X	0.22	X	5.9

KM-01	2.0'	KM-02	5.0'
B	0.076	B	0.020 U
T	0.063 U	T	0.053 U
E	0.18	E	0.20
X	0.25	X	0.33

KM-05	2'	6'
B	0.0016 U	0.3 U
T	0.0078 U	1.5 U
E	0.0061	23
X	0.0031 U	0.59 U

KM-05	2.0'	KM-06	6.5'
B	0.031	B	0.099
T	0.087 U	T	0.072 U
E	0.087 U	E	2.0
X	0.41	X	6.8

KM-07	2.0'	KM-08	5.0'
B	0.020 U	B	0.18
T	0.047 U	T	0.095 U
E	0.047 U	E	8.6
X	0.11	X	6.9

KM-24	7.5'	10.5'
B	0.0012 U	0.0012 U
T	0.0061 U	0.006 U
E	0.0012 U	0.0012 U
X	0.0025 U	0.0024 U

KM-26	8'	11'
B	0.0014 U	0.0012 U
T	0.0072 U	0.0061 U
E	0.0014 U	0.0012 U
X	0.0029 U	0.0024 U

KM-23	7.5'	10.5'
B	0.0012 U	0.0011 U
T	0.0061 U	0.0057 U
E	0.0012 U	0.0011 U
X	0.0024 U	0.0023 U

KM-25	10.5'
B	0.001 U
T	0.0051 U
E	0.001 U
X	0.0075

KM-28	8	10.5
B	0.0012 U	0.0011 U
T	0.0062 U	0.0057 U
E	0.0012 U	0.0011 U
X	0.0025 U	0.0023 U

KM-29	8	10.5
B	0.0013 U	0.0013 U
T	0.0063 U	0.0064 U
E	0.0013 U	0.0013 U
X	0.0025 U	0.0026 U

KM-27	8	10.5
B	0.0012 U	0.0013 U
T	0.0059 U	0.0066 U
E	0.0012 U	0.0013 U
X	0.0024 U	0.0026 U

KM-01	1.5
B	0.0014 U
T	0.0069 U
E	0.0014 U
X	0.0028 U

KM-02	1.5
B	0.001 U
T	0.0052 U
E	0.001 U
X	0.0021

TP4	1'	8'
B	0.0027 U	0.056 U
T	0.013 U	0.28 U
E	0.0074	4.2
X	0.014	5.42

KM-6	1.5'	4'
B	0.064 U	0.062 U
T	0.32 U	0.33
E	0.064 U	8.3
X	0.064 U	12.8

KM-35	2'	6.5'
B	0.02 U	0.02 U
T	0.04 U	0.051 U
E	0.04 U	0.051 U
X	0.04 U	0.051 U

KM-14	1.8'
B	0.001 U
T	0.0051 U
E	0.001 U
X	0.002 U

KM-33	4'
B	0.076 U
T	0.38 U
E	0.38 U
X	1.9 U

KM-15	3.8'	5.0'
B	0.0012 U	0.097
T	0.0059 U	0.14 U
E	0.0012 U	0.62
X	0.0024 U	5.2

B7-Piping-S2	4.0'	B7-Trench-3	2.5'
B	0.069	B	0.0012 U
T	0.095 U	T	0.0058 U
E	7.4	E	0.0022
X	10.5	X	0.029

B7-Piping-B2	5.0'
B	0.41
T	0.098 U
E	1.2
X	13.7

KM-10	1.2'	5.2'
B	1.2 U	0.31 U
T	37	1.6 U
E	440	2.6
X	3,060	13.7

B7-Trench-2	2.5'
B	1.2 U
T	140
E	890
X	5,500

B7-Trench-1	2.5'
B	1.1 U
T	11 J
E	1.8 J
X	20.6 J

B7 PIPING-B3	4.5'
B	0.12
T	0.10 U
E	0.91
X	19.7

B7-Piping-B5	5.0'	Tank-soil-B1	3.5'	9.5'	Tank-soil-B1B	3.5'
B	0.13	B	0.17	0.34 U	B	0.063 U
T	0.12 U	T	0.19	1.7 U	T	0.31 U
E	0.27	E	2.5	0.34 U	E	0.29
X	1.52	X	5	0.68 U	X	1.37

B7 PIPING-S3	3.5'
B	0.28
T	0.048 U
E	0.96
X	10.5

B7 PIPING-S4	3.5'
B	0.3
T	0.11 U
E	1.4
X	37.6

TANK2-SOIL-S3	5.0'
B	0.052 U
T	0.26 U
E	4.3
X	170

TANK2-SOIL-S2	5.0'
B	0.0012 U
T	0.0058 U
E	0.053
X	0.26

TANK2-SOIL-S1	5.0'
B	0.22
T	0.49
E	1.2
X	7.04

KM-39	2'	4.5'
B	0.53	0.021 U
T	4.8	0.11 U
E	26	0.11 U
X	49	1.3

KM-39-EW	3.5'
B	0.48
T	0.19
E	13
X	27.9

KM-39-NW	3.5'
B	0.020 U
T	0.072 U
E	0.072 U
X	0.072 U

KM-39-B1	4.5'
B	0.048
T	0.12 U
E	0.3
X	2.5

KM-39-SW	3.5'
B	0.020 U
T	0.088 U
E	0.088 U
X	0.33

KM-39-WW	3.5'
B	0.24
T	0.23 U
E	0.64
X	5.9

Product-E2-Wall	9'
B	0.0011 U
T	0.0055 U
E	0.0011 U
X	0.0022 U

Product-N-Wall	9'
B	0.074 U
T	0.37 U
E	0.099
X	0.15 U

Product-W2b-Wall	9.5'
B	0.059 U
T	0.47
E	1.2
X	2.39

Product-W1b-Wall	9.5'
B	0.0011 U
T	0.0057 U
E	0.67
X	0.018

Pipe-C1	5.5'
B	0.0011 U
T	0.0054 U
E	0.0011 U
X	0.0022 U

Product-E1-Wall	9'
B	0.001 U
T	0.014
E	0.001 U
X	0.0021 U

Pipe-1	5.5'
B	0.0036
T	0.02
E	0.34
X	1.51

Product-S-Wall	9'
B	0.0014 U
T	0.0069 U
E	0.0014 U
X	0.0027 U

Tank-9-B	9.5'
B	0.0012 U
T	0.0059 U
E	0.0012 U
X	0.0024 U

Tank-8-B	9.5'
B	0.001 U
T	0.0052 U
E	0.0056
X	0.0326

Tank-7-B	9.5'
B	0.00093 U
T	0.0046 U
E	0.00093 U
X	0.0019 U

Tank-6-B	9.5'
B	0.055 U
T	0.3
E	0.083
X	0.28

Tank-5-B	9.5'
B	0.0011 U
T	0.03
E	0.0012
X	0.0067

Containment-E-Wall	9.5'
B	0.065 U
T	0.33 U
E	0.5
X	1

Containment-N-Wall	9.5'
B	0.0016
T	0.059
E	0.71
X	1.2

Containment-S-Wall	9.5'
B	1.3 U
T	6.7 U
E	41
X	178

Containment-W-Wall	9.5'
B	0.002 J
T	0.0065 U
E	0.072 J
X	0.36 J

KM-34	2'	4'
B	0.02 U	0.02 U
T	0.054 U	0.052 U
E	0.054 U	0.052 U
X	0.054 U	0.052 U

SAMPLE LOCATIONS

- SIDEWALL SAMPLE, FEBRUARY 2015
- BOTTOM SAMPLE, FEBRUARY 2015
- OCTOBER 2015
- MARCH 2011
- AUGUST 2010
- DECEMBER 2009
- OCT./NOV. 2009
- AUGUST 2009

EXPLANATION

- KMW-01 MONITORING WELL LOCATION
- TP-2 TEST PIT LOCATION
- EXCAVATION AREA
- CB CATCH BASIN
- PROPERTY LINE
- FENCE LINE
- BLDG 7 FORMER BUILDING NUMBER

KEY

PRELIMINARY SCREENING LEVEL

B = Benzene	0.004
T = Toluene	4.7
E = Ethylbenzene	4.6
X = total Xylenes	17

X' = Depth of the top of the screen in feet below ground surface
U = Analyte not detected at or above laboratory reporting limit indicated.
J = Concentration shown is an estimate.

NOTES:

1. **BOLD** VALUE EXCEEDS PRELIMINARY SCREENING LEVEL.
2. SOIL CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM (mg/kg)

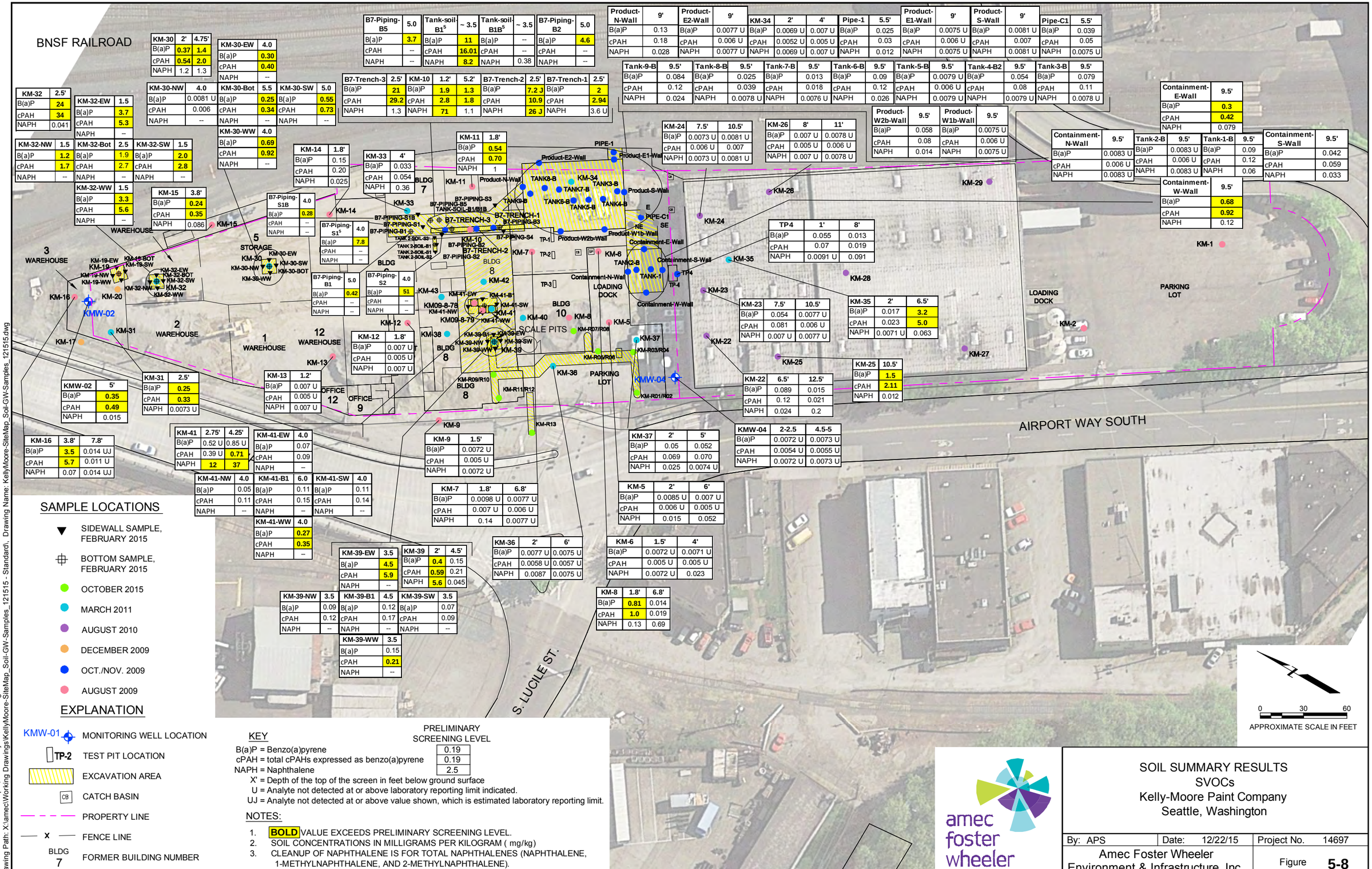
0 30 60
APPROXIMATE SCALE IN FEET

amec foster wheeler

SOIL SUMMARY RESULTS
BTEX
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 12/22/15	Project No. 14697
Amec Foster Wheeler Environment & Infrastructure, Inc.		Figure 5-7

Plot Date: 12/22/15 - 1:23pm, Plotted by: adam.stenberg
Drawing Path: X:\amec\Working Drawings\KellyMoore-SiteMap_Soil-GW-Samples_121515 - Standard\, Drawing Name: KellyMoore-SiteMap_Soil-GW-Samples_121515.dwg



KM-30	2'	4.75'
B(a)P	0.37	1.4
cPAH	0.54	2.0
NAPH	1.2	1.3

KM-30-EW	4.0
B(a)P	0.30
cPAH	0.40
NAPH	--

KM-30-NW	4.0
B(a)P	0.0081 U
cPAH	0.006
NAPH	--

KM-30-Bot	5.5
B(a)P	0.25
cPAH	0.34
NAPH	--

KM-30-SW	5.0
B(a)P	0.55
cPAH	0.73
NAPH	--

KM-30-WW	4.0
B(a)P	0.69
cPAH	0.92
NAPH	--

KM-32	2.5'
B(a)P	24
cPAH	34
NAPH	0.041

KM-32-EW	1.5
B(a)P	3.7
cPAH	5.3
NAPH	--

KM-32-NW	1.5
B(a)P	1.2
cPAH	1.7
NAPH	--

KM-32-Bot	2.5
B(a)P	1.9
cPAH	2.7
NAPH	--

KM-32-SW	1.5
B(a)P	2.0
cPAH	2.8
NAPH	--

KM-32-WW	1.5
B(a)P	3.3
cPAH	5.6
NAPH	--

KM-15	3.8'
B(a)P	0.24
cPAH	0.35
NAPH	0.086

KM-14	1.8'
B(a)P	0.15
cPAH	0.20
NAPH	0.025

B7-Piping-S1B	4.0
B(a)P	0.28
cPAH	--
NAPH	--

B7-Piping-S1[5]	4.0
B(a)P	7.8
cPAH	--
NAPH	--

B7-Piping-B1	5.0
B(a)P	0.42
cPAH	--
NAPH	--

B7-Piping-S2	4.0
B(a)P	51
cPAH	--
NAPH	--

KM-33	4'
B(a)P	0.033
cPAH	0.054
NAPH	0.36

KM-11	1.8'
B(a)P	0.54
cPAH	0.70
NAPH	1

KM-12	1.8'
B(a)P	0.007 U
cPAH	0.005 U
NAPH	0.007 U

KM-31	2.5'
B(a)P	0.25
cPAH	0.33
NAPH	0.0073 U

KM-13	1.2'
B(a)P	0.007 U
cPAH	0.005 U
NAPH	0.007 U

KMW-02	5'
B(a)P	0.35
cPAH	0.49
NAPH	0.015

KM-16	3.8'	7.8'
B(a)P	3.5	0.014 UJ
cPAH	5.7	0.011 U
NAPH	0.07	0.014 UJ

KM-41	2.75'	4.25'
B(a)P	0.52 U	0.85 U
cPAH	0.39 U	0.71
NAPH	12	37

KM-41-EW	4.0
B(a)P	0.07
cPAH	0.09
NAPH	--

KM-41-NW	4.0
B(a)P	0.05
cPAH	0.11
NAPH	--

KM-41-B1	6.0
B(a)P	0.11
cPAH	0.15
NAPH	--

KM-41-SW	4.0
B(a)P	0.11
cPAH	0.14
NAPH	--

KM-41-WW	4.0
B(a)P	0.27
cPAH	0.35
NAPH	--

KM-9	1.5'
B(a)P	0.0072 U
cPAH	0.005 U
NAPH	0.0072 U

KM-7	1.8'	6.8'
B(a)P	0.0098 U	0.0077 U
cPAH	0.007 U	0.006 U
NAPH	0.14	0.0077 U

KM-39-EW	3.5
B(a)P	4.5
cPAH	5.9
NAPH	--

KM-39	2'	4.5'
B(a)P	0.4	0.15
cPAH	0.59	0.21
NAPH	5.6	0.045

KM-39-NW	3.5
B(a)P	0.09
cPAH	0.12
NAPH	--

KM-39-B1	4.5
B(a)P	0.12
cPAH	0.17
NAPH	--

KM-39-SW	3.5
B(a)P	0.07
cPAH	0.09
NAPH	--

KM-39-WW	3.5
B(a)P	0.15
cPAH	0.21
NAPH	--

KM-36	2'	6'
B(a)P	0.0077 U	0.0075 U
cPAH	0.0058 U	0.0057 U
NAPH	0.0087	0.0075 U

KM-37	2'	5'
B(a)P	0.05	0.052
cPAH	0.069	0.070
NAPH	0.025	0.0074 U

KM-5	2'	6'
B(a)P	0.0085 U	0.007 U
cPAH	0.006 U	0.005 U
NAPH	0.015	0.052

KM-6	1.5'	4'
B(a)P	0.0072 U	0.0071 U
cPAH	0.005 U	0.005 U
NAPH	0.0072 U	0.023

KM-8	1.8'	6.8'
B(a)P	0.81	0.014
cPAH	1.0	0.019
NAPH	0.13	0.69

KMW-04	2-2.5	4.5-5
B(a)P	0.0072 U	0.0073 U
cPAH	0.0054 U	0.0055 U
NAPH	0.0072 U	0.0073 U

B7-Piping-B5	5.0
B(a)P	3.7
cPAH	--
NAPH	--

Tank-soil-B1[5]	~ 3.5
B(a)P	11
cPAH	16.01
NAPH	8.2

Tank-soil-B1B[5]	~ 3.5
B(a)P	--
cPAH	--
NAPH	0.38

B7-Piping-B2	5.0
B(a)P	4.6
cPAH	--
NAPH	--

B7-Trench-3	2.5'
B(a)P	21
cPAH	29.2
NAPH	1.3

KM-10	1.2'	5.2'
B(a)P	1.9	1.3
cPAH	2.8	1.8
NAPH	71	1.1

B7-Trench-2	2.5'
B(a)P	7.2 J
cPAH	10.9
NAPH	26 J

B7-Trench-1	2.5'
B(a)P	2
cPAH	2.94
NAPH	3.6 U

Product-N-Wall	9'
B(a)P	0.13
cPAH	0.18
NAPH	0.028

Product-E2-Wall	9'
B(a)P	0.0077 U
cPAH	0.006 U
NAPH	0.0077 U

KM-34	2'	4'
B(a)P	0.0069 U	0.007 U
cPAH	0.0052 U	0.005 U
NAPH	0.0069 U	0.007 U

Pipe-1	5.5'
B(a)P	0.025
cPAH	0.03
NAPH	0.012

Product-E1-Wall	9'
B(a)P	0.0075 U
cPAH	0.006 U
NAPH	0.0075 U

Product-S-Wall	9'
B(a)P	0.0081 U
cPAH	0.007
NAPH	0.0081 U

Pipe-C1	5.5'
B(a)P	0.039
cPAH	0.05
NAPH	0.0075 U

Tank-9-B	9.5'
B(a)P	0.084
cPAH	0.12
NAPH	0.024

Tank-8-B	9.5'
B(a)P	0.025
cPAH	0.039
NAPH	0.0078 U

Tank-7-B	9.5'
B(a)P	0.013
cPAH	0.018
NAPH	0.0076 U

Tank-6-B	9.5'
B(a)P	0.09
cPAH	0.12
NAPH	0.026

Tank-5-B	9.5'
B(a)P	0.0079 U
cPAH	0.006 U
NAPH	0.0079 U

Tank-4-B2	9.5'
B(a)P	0.054
cPAH	0.08
NAPH	0.0079 U

Tank-3-B	9.5'
B(a)P	0.079
cPAH	0.11
NAPH	0.0078 U

KM-24	7.5'	10.5'
B(a)P	0.0073 U	0.0081 U
cPAH	0.006 U	0.007
NAPH	0.0073 U	0.0081 U

KM-26	8'	11'
B(a)P	0.007 U	0.0078 U
cPAH	0.005 U	0.006 U
NAPH	0.007 U	0.0078 U

Product-W2b-Wall	9.5'
B(a)P	0.058
cPAH	0.08
NAPH	0.014

Product-W1b-Wall	9.5'
B(a)P	0.0075 U
cPAH	0.006 U
NAPH	0.0075 U

Containment-E-Wall	9.5'
B(a)P	0.3
cPAH	0.42
NAPH	0.079

Containment-N-Wall	9.5'
B(a)P	0.0083 U
cPAH	0.006 U
NAPH	0.0083 U

Tank-2-B	9.5'
B(a)P	0.0083 U
cPAH	0.006 U
NAPH	0.0083 U

Tank-1-B	9.5'
B(a)P	0.09
cPAH	0.12
NAPH	0.06

Containment-S-Wall	9.5'
B(a)P	0.042
cPAH	0.059
NAPH	0.033

Containment-W-Wall	9.5'
B(a)P	0.68
cPAH	0.92
NAPH	0.12

TP4	1'	8'
B(a)P	0.055	0.013
cPAH	0.07	0.019
NAPH	0.0091 U	0.091

KM-23	7.5'	10.5'
B(a)P	0.054	0.0077 U
cPAH	0.081	0.006 U
NAPH	0.007 U	0.0077 U

KM-35	2'	6.5'
B(a)P	0.017	3.2
cPAH	0.023	5.0
NAPH	0.0071 U	0.063

KM-22	6.5'	12.5'
B(a)P	0.089	0.015
cPAH	0.12	0.021
NAPH	0.024	0.2

KM-25	10.5'
B(a)P	1.5
cPAH	2.11
NAPH	0.012

SAMPLE LOCATIONS

- SIDEWALL SAMPLE, FEBRUARY 2015
- BOTTOM SAMPLE, FEBRUARY 2015
- OCTOBER 2015
- MARCH 2011
- AUGUST 2010
- DECEMBER 2009
- OCT./NOV. 2009
- AUGUST 2009

EXPLANATION

- KMW-01 MONITORING WELL LOCATION
- TP-2 TEST PIT LOCATION
- EXCAVATION AREA
- CB CATCH BASIN
- PROPERTY LINE
- FENCE LINE
- BLDG 7 FORMER BUILDING NUMBER

PRELIMINARY SCREENING LEVEL

B(a)P	0.19
cPAH	0.19
NAPH	2.5

KEY

B(a)P = Benzo(a)pyrene
cPAH = total cPAHs expressed as benzo(a)pyrene
NAPH = Naphthalene
X' = Depth of the top of the screen in feet below ground surface
U = Analyte not detected at or above laboratory reporting limit indicated.
UJ = Analyte not detected at or above value shown, which is estimated laboratory reporting limit.

NOTES:

1. **BOLD** VALUE EXCEEDS PRELIMINARY SCREENING LEVEL.
2. SOIL CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM (mg/kg)
3. CLEANUP OF NAPHTHALENE IS FOR TOTAL NAPHTHALENES (NAPHTHALENE, 1-METHYLNAPHTHALENE, AND 2-METHYLNAPHTHALENE).

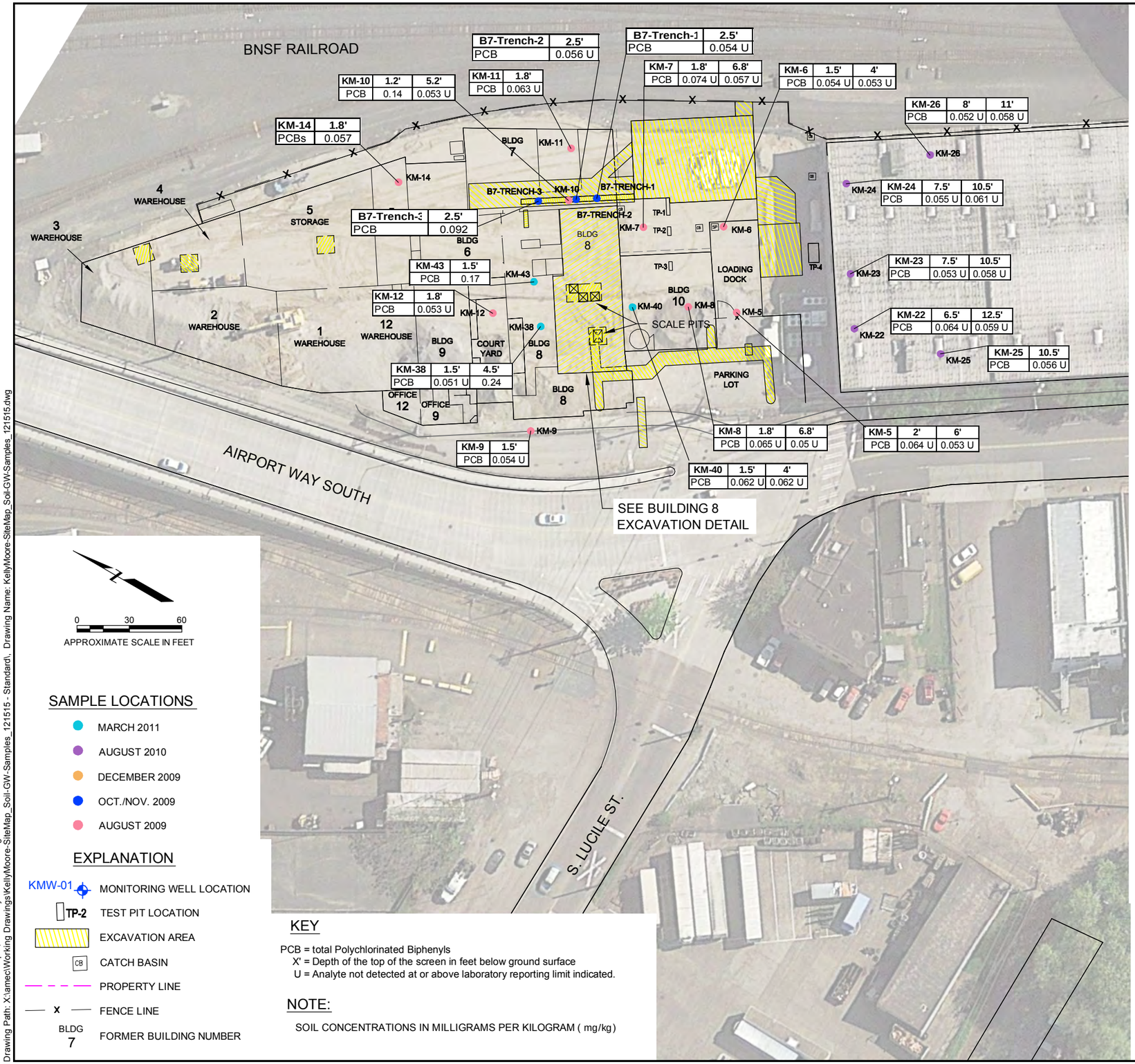
0 30 60
APPROXIMATE SCALE IN FEET

amec foster wheeler

SOIL SUMMARY RESULTS
SVOCs
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 12/22/15	Project No. 14697
Amec Foster Wheeler Environment & Infrastructure, Inc.		Figure 5-8

Plot Date: 12/22/15 - 4:19pm, Plotted by: adam.sterberg
Drawing Path: X:\amec\Working Drawings\KellyMoore-SiteMap_Soil-GW-Samples_121515 - Standard\, Drawing Name: KellyMoore-SiteMap_Soil-GW-Samples_121515.dwg



SAMPLE LOCATIONS

- MARCH 2011
- AUGUST 2010
- DECEMBER 2009
- OCT./NOV. 2009
- AUGUST 2009

EXPLANATION

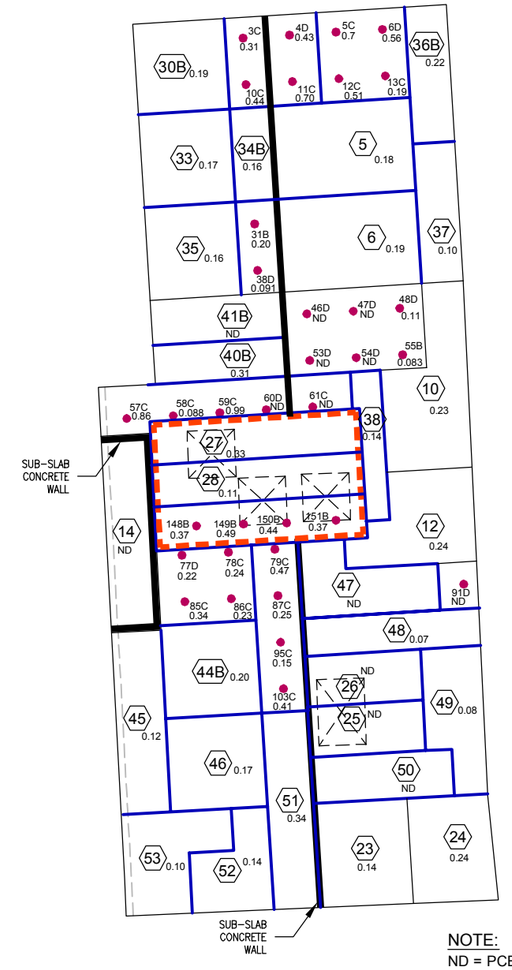
- KMW-01 — MONITORING WELL LOCATION
- TP-2 — TEST PIT LOCATION
- EXCAVATION AREA
- CB — CATCH BASIN
- PROPERTY LINE
- FENCE LINE
- BLDG 7 — FORMER BUILDING NUMBER

KEY

PCB = total Polychlorinated Biphenyls
X' = Depth of the top of the screen in feet below ground surface
U = Analyte not detected at or above laboratory reporting limit indicated.

NOTE:

SOIL CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM (mg/kg)



NOTE:
ND = PCBs NOT DETECTED

BUILDING 8 EXCAVATION DETAIL

EXPLANATION

- PCB PRIMARY SAMPLE LOCATION WITH PCB CONCENTRATION IN mg/kg
- 24 0.24 — COMPOSITE SAMPLE AREA AND DESIGNATION WITH PCB CONCENTRATION IN mg/kg
- EXTENT OF SCALE PIT EXCAVATION
- FORMER FLOOR SCALE PITS

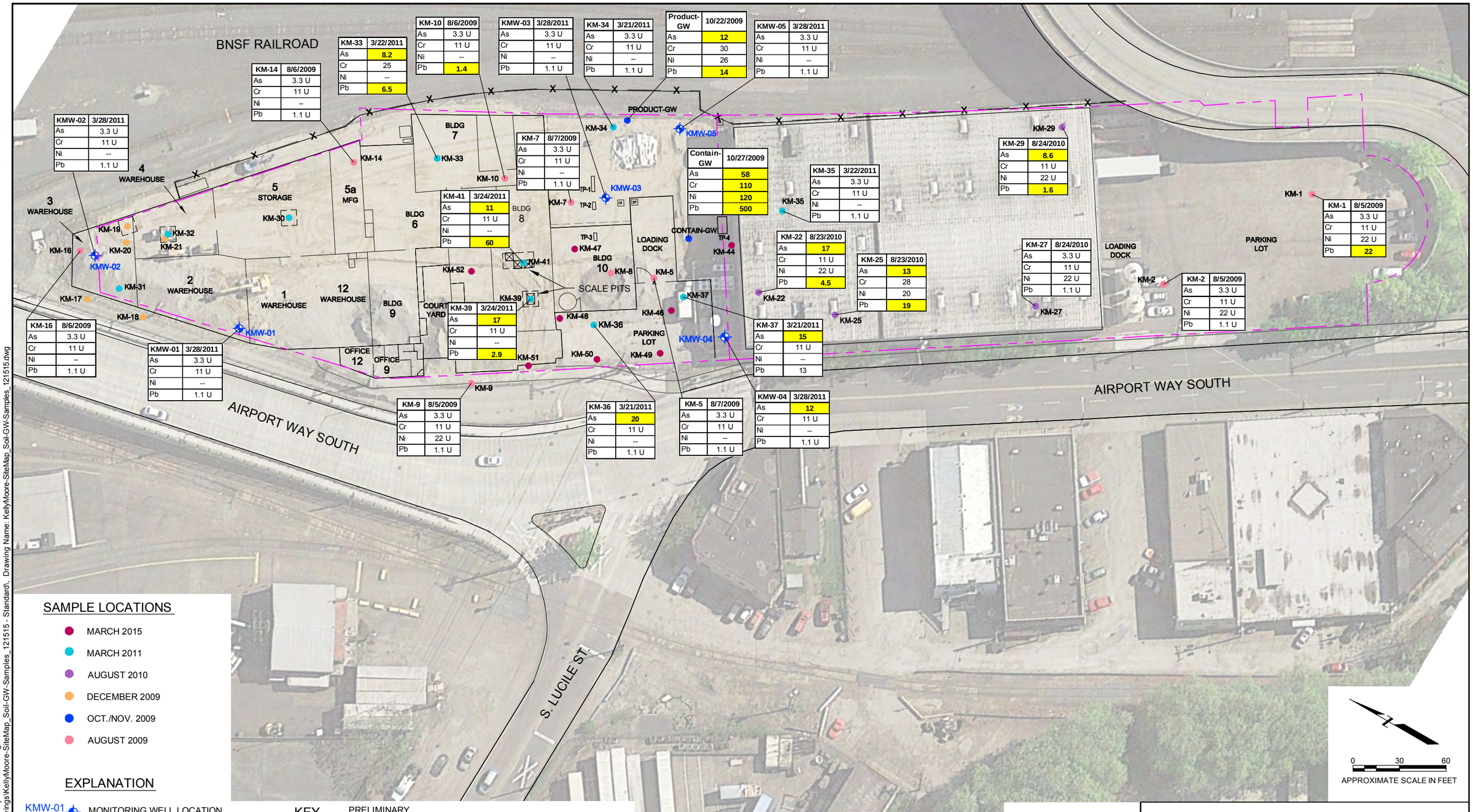
0 8 16
APPROXIMATE SCALE IN FEET

amec foster wheeler

SOIL SUMMARY RESULTS, PCBs
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 12/21/15	Project No. 14697
Amec Foster Wheeler Environment & Infrastructure, Inc.		Figure 5-9

Plot Date: 12/21/15 - 4:55pm, Plotted by: adam.stenberg
Drawing Path: X:\amec\Working Drawings\KellyMoore-SiteMap_Soil-GW-Samples_121515 - Standard\, Drawing Name: KellyMoore-SiteMap_Soil-GW-Samples_121515.dwg



KM-14	8/6/2009
As	3.3 U
Cr	11 U
Ni	--
Pb	1.1 U

KM-33	3/22/2011
As	8.2
Cr	25
Ni	--
Pb	6.5

KM-10	8/6/2009
As	3.3 U
Cr	11 U
Ni	--
Pb	1.4

KMW-03	3/28/2011
As	3.3 U
Cr	11 U
Ni	--
Pb	1.1 U

KM-34	3/21/2011
As	3.3 U
Cr	11 U
Ni	--
Pb	1.1 U

Product-GW	10/22/2009
As	12
Cr	30
Ni	26
Pb	14

KMW-05	3/28/2011
As	3.3 U
Cr	11 U
Ni	--
Pb	1.1 U

KMW-02	3/28/2011
As	3.3 U
Cr	11 U
Ni	--
Pb	1.1 U

KM-7	8/7/2009
As	3.3 U
Cr	11 U
Ni	--
Pb	1.1 U

Contain-GW	10/27/2009
As	58
Cr	110
Ni	120
Pb	500

KM-35	3/22/2011
As	3.3 U
Cr	11 U
Ni	--
Pb	1.1 U

KM-29	8/24/2010
As	8.6
Cr	11 U
Ni	22 U
Pb	1.6

KM-1	8/5/2009
As	3.3 U
Cr	11 U
Ni	22 U
Pb	22

KM-41	3/24/2011
As	11
Cr	11 U
Ni	--
Pb	60

KM-22	8/23/2010
As	17
Cr	11 U
Ni	22 U
Pb	4.5

KM-25	8/23/2010
As	13
Cr	28
Ni	20
Pb	19

KM-27	8/24/2010
As	3.3 U
Cr	11 U
Ni	22 U
Pb	1.1 U

KM-2	8/5/2009
As	3.3 U
Cr	11 U
Ni	22 U
Pb	1.1 U

KM-16	8/6/2009
As	3.3 U
Cr	11 U
Ni	--
Pb	1.1 U

KMW-01	3/28/2011
As	3.3 U
Cr	11 U
Ni	--
Pb	1.1 U

KM-39	3/24/2011
As	17
Cr	11 U
Ni	--
Pb	2.9

KM-37	3/21/2011
As	15
Cr	11 U
Ni	--
Pb	13

KM-9	8/5/2009
As	3.3 U
Cr	11 U
Ni	22 U
Pb	1.1 U

KM-36	3/21/2011
As	20
Cr	11 U
Ni	--
Pb	1.1 U

KM-5	8/7/2009
As	3.3 U
Cr	11 U
Ni	--
Pb	1.1 U

KMW-04	3/28/2011
As	12
Cr	11 U
Ni	--
Pb	1.1 U

SAMPLE LOCATIONS

- MARCH 2015
- MARCH 2011
- AUGUST 2010
- DECEMBER 2009
- OCT./NOV. 2009
- AUGUST 2009

EXPLANATION

- KMW-01 — MONITORING WELL LOCATION
- TP-2 — TEST PIT LOCATION
- CB — CATCH BASIN
- PROPERTY LINE
- FENCE LINE
- BLDG 7 — FORMER BUILDING NUMBER

KEY

	PRELIMINARY SCREENING LEVEL
As = Arsenic	3.3
Cr = Chromium	49
Ni = Nickel	49
Pb = Lead	1.1

U = Analyte not detected at or above laboratory reporting limit indicated.

NOTES:

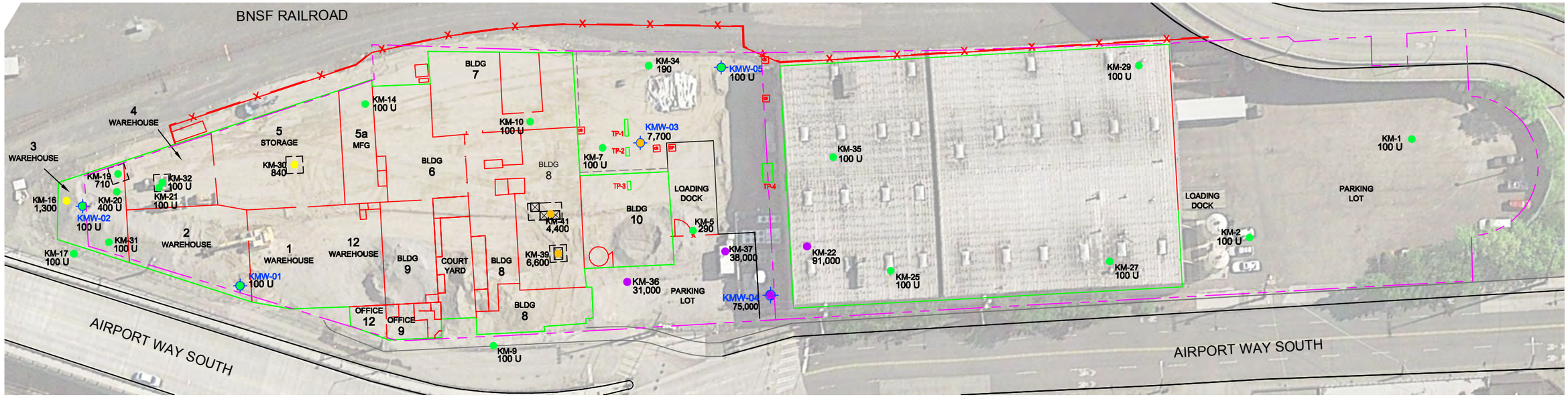
1. **BOLD** VALUE EXCEEDS PRELIMINARY SCREENING LEVEL.
2. GROUNDWATER CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L).

amec foster wheeler

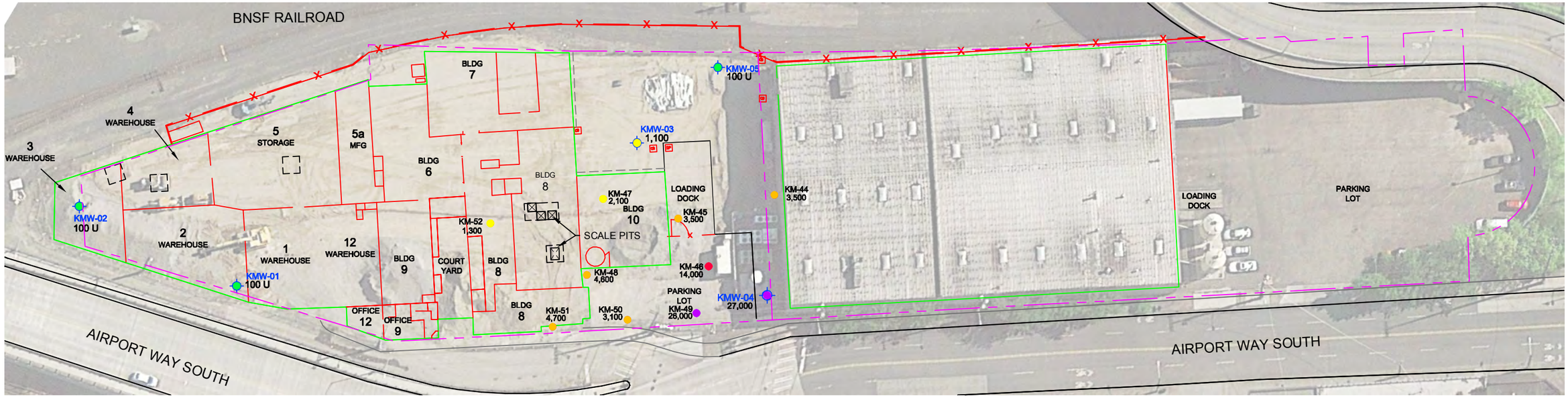
GROUNDWATER SUMMARY RESULTS, METALS
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 12/22/15	Project No. 14697
Amec Foster Wheeler Environment & Infrastructure, Inc.		Figure **5-10**

Plot Date: 12/22/15 - 4:24pm, Plotted by: adam.stenberg
Drawing Path: X:\amec\Working Drawings\KellyMoore-SiteMap_Soil-GW-Samples_121515 - Standard\, Drawing Name: KellyMoore-SiteMap_Soil-GW-Samples_121515.dwg



TPH-G CONCENTRATIONS IN GROUNDWATER PRIOR TO 2013



TPH-G CONCENTRATIONS IN GROUNDWATER DURING 2013 AND 2015

EXPLANATION

- KMW-01 — MONITORING WELL LOCATION
- SAMPLE LOCATION
- EXCAVATION AREA
- PROPERTY LINE
- FENCE LINE
- BLDG 7 — FORMER BUILDING NUMBER

GASOLINE KEY

- LESS THAN 800 µg/L
- 800 - 2,500 µg/L
- 2,500 - 10,000 µg/L
- 10,000 - 25,000 µg/L
- GREATER THAN 25,000 µg/L

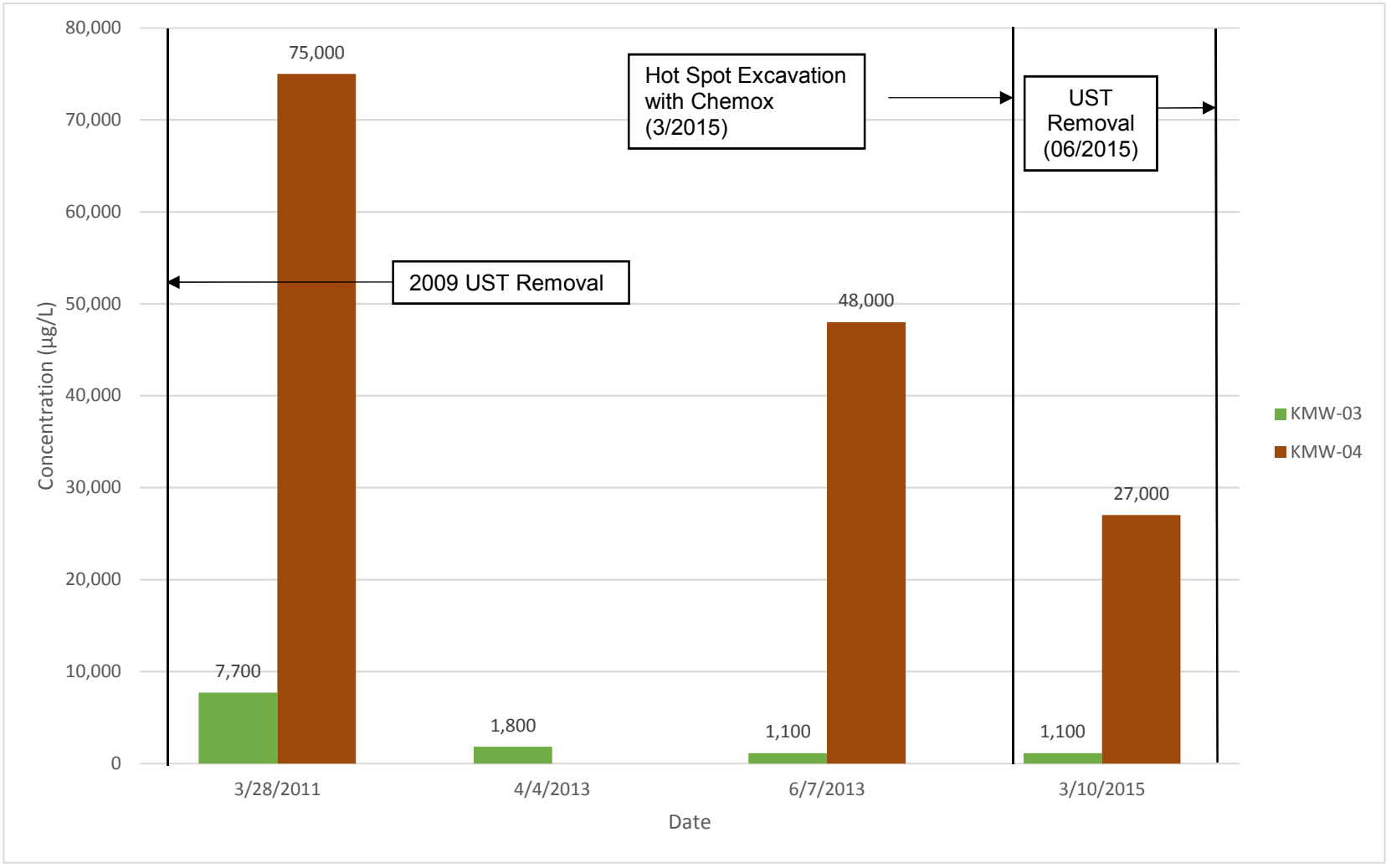
0 30 60
APPROXIMATE SCALE IN FEET

amec foster wheeler

GROUNDWATER SUMMARY RESULTS
TPH-G
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 01/14/16	Project No. 14697
Amec Foster Wheeler Environment & Infrastructure, Inc.		Figure 5-11

Plot Date: 01/14/16 - 2:47pm, Plotted by: adam.sterberg
Drawing Path: S:\14697\014_2015-RI\FS\CAD\, Drawing Name: KellyMoore-SiteMap_Soil-GW-Samples_011416.dwg

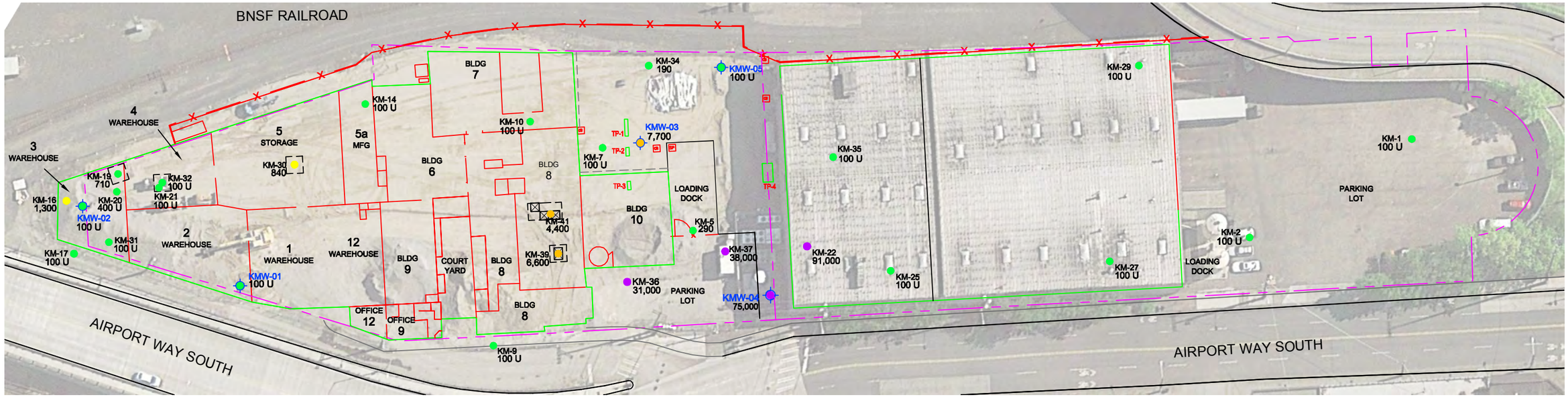


amec foster wheeler

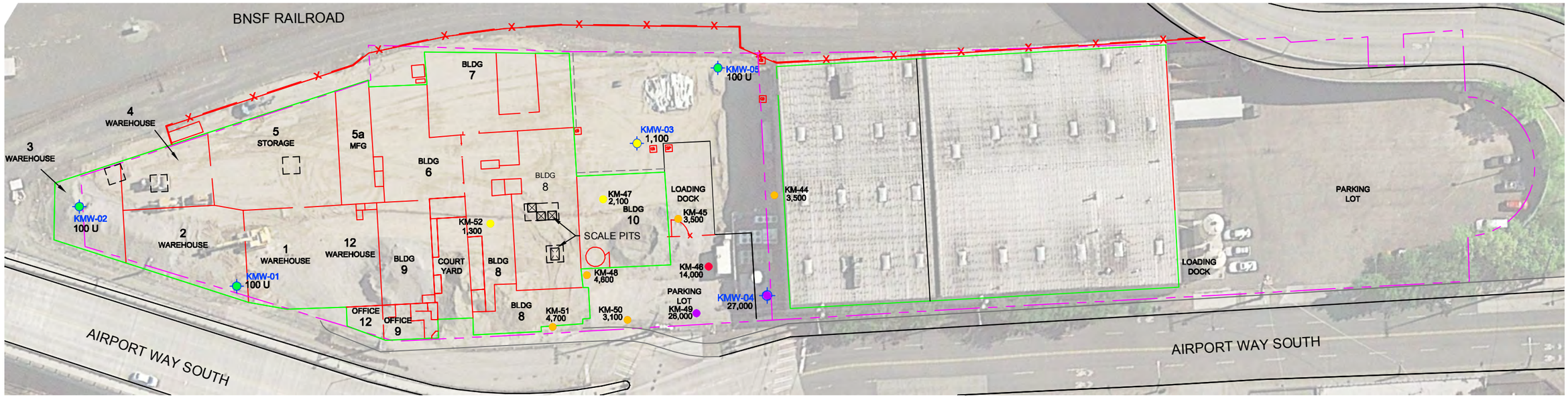
TPH-G CONCENTRATIONS IN SELECT MONITORING WELLS
Kell-Moore Paint Company
Seattle, Washington

Project No.
14697

Figure
5-12



GASOLINE CONCENTRATIONS IN GROUNDWATER PRIOR TO 2013



GASOLINE CONCENTRATIONS IN GROUNDWATER DURING 2013 AND 2015

EXPLANATION

- KMW-01 — MONITORING WELL LOCATION
- SAMPLE LOCATION
- EXCAVATION AREA
- PROPERTY LINE
- FENCE LINE
- BLDG 7 — FORMER BUILDING NUMBER

GASOLINE KEY

- LESS THAN 800 µg/L
- 800 - 2,500 µg/L
- 2,500 - 10,000 µg/L
- 10,000 - 25,000 µg/L
- GREATER THAN 25,000 µg/L

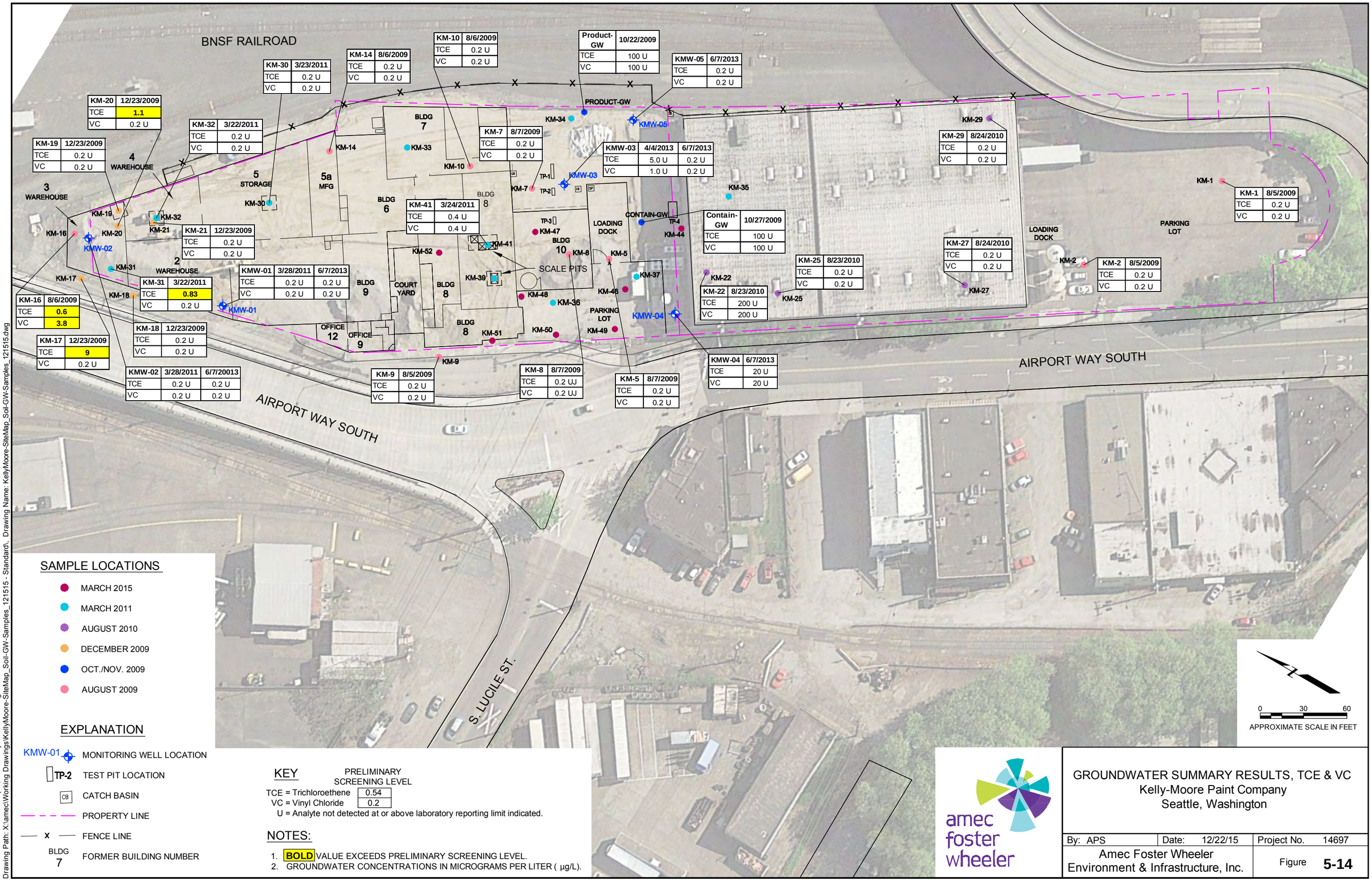
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APPROXIMATE SCALE IN FEET

amec foster wheeler

GROUNDWATER SUMMARY RESULTS, GASOLINE
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 01/14/16	Project No. 14697
Amec Foster Wheeler Environment & Infrastructure, Inc.		Figure 5-13

Plot Date: 01/14/16 - 2:30pm, Plotted by: adam.sterberg
Drawing Path: S:\14697\014_2015-RI\FS\CAD\, Drawing Name: KellyMoore-SiteMap_Soil-GW-Samples_121515.dwg


BNSF RAILROAD
AIRPORT WAY SOUTH
AIRPORT WAY SOUTH
S. LUCILE ST.
SCALE PITS
PRODUCT-GW
CONTAIN-GW
BLDG 7
BLDG 6
BLDG 8
BLDG 9
BLDG 10
5 STORAGE
5a MFG
4 WAREHOUSE
3 WAREHOUSE
2 WAREHOUSE
COURT YARD
LOADING DOCK
LOADING DOCK
PARKING LOT
PARKING LOT
OFFICE 12
OFFICE 9
KM-1 8/5/2009 TCE 0.2 U VC 0.2 U
KM-2 8/5/2009 TCE 0.2 U VC 0.2 U
KM-5 8/7/2009 TCE 0.2 U VC 0.2 U
KM-7 8/7/2009 TCE 0.2 U VC 0.2 U
KM-8 8/7/2009 TCE 0.2 UJ VC 0.2 UJ
KM-9 8/5/2009 TCE 0.2 U VC 0.2 U
KM-10 8/6/2009 TCE 0.2 U VC 0.2 U
KM-14 8/6/2009 TCE 0.2 U VC 0.2 U
KM-16 8/6/2009 TCE 0.6 VC 3.8
KM-17 12/23/2009 TCE 9 VC 0.2 U
KM-18 12/23/2009 TCE 0.2 U VC 0.2 U
KM-19 12/23/2009 TCE 0.2 U VC 0.2 U
KM-20 12/23/2009 TCE 1.1 VC 0.2 U
KM-21 12/23/2009 TCE 0.2 U VC 0.2 U
KM-22 8/23/2010 TCE 200 U VC 200 U
KM-25 8/23/2010 TCE 0.2 U VC 0.2 U
KM-27 8/24/2010 TCE 0.2 U VC 0.2 U
KM-29 8/24/2010 TCE 0.2 U VC 0.2 U
KM-30 3/23/2011 TCE 0.2 U VC 0.2 U
KM-31 3/22/2011 TCE 0.83 VC 0.2 U
KM-32 3/22/2011 TCE 0.2 U VC 0.2 U
KM-41 3/24/2011 TCE 0.4 U VC 0.4 U
KMW-01 3/28/2011 6/7/2013 TCE 0.2 U 0.2 U VC 0.2 U 0.2 U
KMW-02 3/28/2011 6/7/20013 TCE 0.2 U 0.2 U VC 0.2 U 0.2 U
KMW-03 4/4/2013 6/7/2013 TCE 5.0 U 0.2 U VC 1.0 U 0.2 U
KMW-04 6/7/2013 TCE 20 U VC 20 U
KMW-05 6/7/2013 TCE 0.2 U VC 0.2 U
Product-GW 10/22/2009 TCE 100 U VC 100 U
Contain-GW 10/27/2009 TCE 100 U VC 100 U
KM-34
KM-33
KM-35
KM-37
KM-36
KM-39
KM-41
KM-44
KM-46
KM-47
KM-48
KM-49
KM-50
KM-51
KM-52
TP-1
TP-2
TP-3
TP-4
KMW-01
KMW-02
KMW-03
KMW-04
KMW-05
SAMPLE LOCATIONS
MARCH 2015
MARCH 2011
AUGUST 2010
DECEMBER 2009
OCT./NOV. 2009
AUGUST 2009
EXPLANATION
MONITORING WELL LOCATION
TEST PIT LOCATION
CATCH BASIN
PROPERTY LINE
FENCE LINE
FORMER BUILDING NUMBER
KEY
PRELIMINARY SCREENING LEVEL
TCE = Trichloroethene 0.54
VC = Vinyl Chloride 0.2
U = Analyte not detected at or above laboratory reporting limit indicated.
NOTES:
1. BOLD VALUE EXCEEDS PRELIMINARY SCREENING LEVEL.
2. GROUNDWATER CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L).
0 30 60
APPROXIMATE SCALE IN FEET
amec foster wheeler
GROUNDWATER SUMMARY RESULTS, TCE & VC
Kelly-Moore Paint Company
Seattle, Washington
By: APS
Date: 12/22/15
Project No. 14697
Amec Foster Wheeler Environment & Infrastructure, Inc.
Figure 5-14
Plot Date: 12/22/15 - 4:39pm, Plotted by: adam.stenberg
Drawing Path: X:\amec\Working Drawings\KellyMoore-SiteMap_Soil-GW-Samples_121515 - Standard\, Drawing Name: KellyMoore-SiteMap_Soil-GW-Samples_121515.dwg

Primary Sources	Primary Release Mechanisms	Secondary Sources	Secondary Release Mechanisms	Exposure Point	Exposure Route	Human Receptors					Ecological Receptors	
						Resident	Office Worker	Industrial Worker	Temporary Construction Worker	Site Visitor	Aquatic Biota	Terrestrial Biota
Underground Storage Tanks and Piping, Drums, or Other Releases	Overfill, Spills, Leaks	Soil, Including Poor Quality Fill Material	Fugitive Dust	Air	Inhalation	NA	--	○	○	--	--	--
			Volatilization	Soil Vapor	Inhalation	NA	--	○	●	○	--	--
			Retention	Soil	Ingestion	NA	--	--	○	--	--	--
					Dermal/Direct Contact	NA	--	--	●	--	--	--
		Groundwater	Retention	Groundwater	Ingestion	--	--	--	○	--	--	--
					Direct Contact	--	--	--	○	--	--	--
			Migration & Discharge	Surface Water & Uptake by Aquatic Biota	Ingestion of Aquatic Biota	--	--	--	--	--	--	--
					Ingestion/Dermal Contact	--	--	--	--	--	--	--
			Volatilization	Soil Vapor	Inhalation	○	○	○	○	○	--	--

→ Potential Transport or Exposure Pathway

-- Incomplete Exposure Pathway

○ Potentially Complete Exposure Pathway

● Complete Exposure Pathway

NA Not Applicable
(no residents will live at the site now or in the future)

amec foster wheeler

CONCEPTUAL SITE MODEL
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

By: LPM
Project No.: 014697
Date: 11/6/15

Figure 6-1

P:\14697 - Kelly Moore Paint Company\3000 Report\RIFS\2015 RIFS Update\Figures\Figure 6-1

APPENDIX A

Description of Property

PRESERVATIVE PAINT COMPANY

Chronological Sequence of Ownership and Leases

at

5410 Airport Way South

Seattle, Washington

This report reflects review of Preservative Paint Company ("PPC") records on hand in May, 1986, including title abstracts, deeds, leases, and minutes of meetings of PPC Board of Directors.

The history that follows is not complete. A professional title search will be required if this data is not sufficient. A plot map is attached for reference.

Parcel 1:

North ½ of Lot 1, Block 8 and vacated South ½ of Baltimore Avenue.

Leased by Asphaltum Products Company (later to become Preservative Paint Company) in 1908.

Purchased by PPC between 1920 and 1927.

Parcel 2:

North ½ vacated Baltimore Avenue and West portion of Lot 9, Southwest portion of Lot 8, Block 9.

Date of original lease unknown.

Purchased by PPC in 1942.

Parcel 3:

East strip of South ½ of vacated Baltimore Avenue and Lot 1, Block 8.

Leased from Northern Pacific Railway Company in 1947.

Parcel 4:

South ½ of Lot 1, North ½ of Lot 2, Block 8.

Purchased from Pacific Coast Coal Company in 1951.

Parcel 5:

North 20 feet of vacated Lucile Street Bridge.

Purchased from City of Seattle in 1982.

Parcel 6:

Southwest corner of Lot 8 and 12-foot North-South center strip of Lot 9, Block 9, and 12-foot North-South center strip of North ½ vacated Baltimore Avenue.

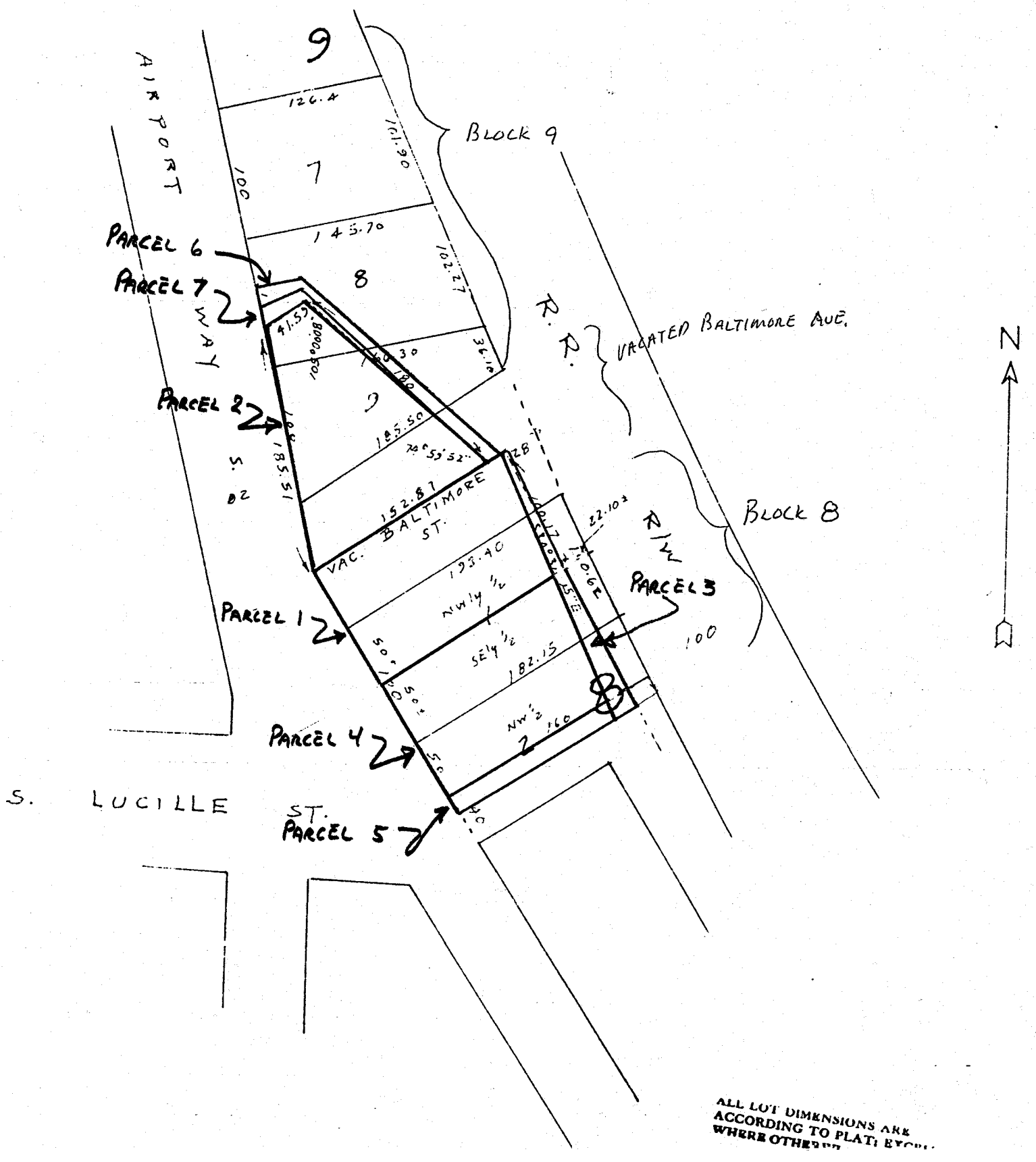
Leased from Oregon-Washington Railroad and Navigation Company and its lessee, Union Pacific Railroad Company in October, 1985 (see attached map).

Parcel 7:

Portion of Southwest corner of Lot 8 and 6-inch strip of North-South strip of Lot 9, Block 9.

Purchased from Oregon-Washington Railroad Company. Transaction not yet complete as of May 14, 1986 (see attached map).

This sketch is not based upon a survey of the property described in Order No. 133785 of Lawyers Title Insurance Corporation. It is furnished without charge solely for the purpose of assisting in locating the said premises. It does not purport to show all roads or easements. The Company assumes no liability for inaccuracies therein.



ALL LOT DIMENSIONS ARE ACCORDING TO PLAT; EXCEPT WHERE OTHERWISE

PRIVATE ROADWAY ENCROACHMENT
Seattle (Argo), WA
PLD 311-2-1.72
(8507-CON47-29)

RE# 795-29

U.P. LEASE Agreement

THIS AGREEMENT is made and entered into as of the 9th day of October, 1985, by and between the OREGON-WASHINGTON RAILROAD & NAVIGATION COMPANY, an Oregon corporation, and its lessee, UNION PACIFIC RAILROAD COMPANY, a Utah corporation (herein collectively referred to as "Licensor"), and PRESERVATIVE PAINT COMPANY, a Washington corporation (herein called "Licensee").

RECITALS:

The Licensee desires to continue to maintain and use a private roadway (herein called "Private Roadway") on the Licensor's property at Seattle, Argo, Washington, in the location indicated on print dated June 25, 1985, attached hereto, marked Exhibit "A".

NOW, THEREFORE, it is mutually agreed by and between the parties hereto as follows:

Section 1. LICENSOR GRANTS RIGHT.

(a) The Licensor hereby grants to the Licensee, subject to the terms and conditions herein stated, the right to maintain and use said Private Roadway in the location described in the recitals hereof.

(b) In consideration of the license and permission granted herein, the Licensee shall and will do, keep, observe and perform each and all of the terms, provisions, conditions, limitations and covenants herein contained, and shall pay the Licensor the sum of ONE HUNDRED & NO/100 DOLLARS ($100.00) per annum, payable annually in advance. In addition, upon execution and delivery of this agreement, the Licensee shall pay to the Licensor the sum of ONE HUNDRED & NO/100 DOLLARS ($100.00) to cover the cost of preparation hereof.

(c) The foregoing grant is subject and subordinate to the prior and continuing right and obligation of the Licensor to use and maintain the

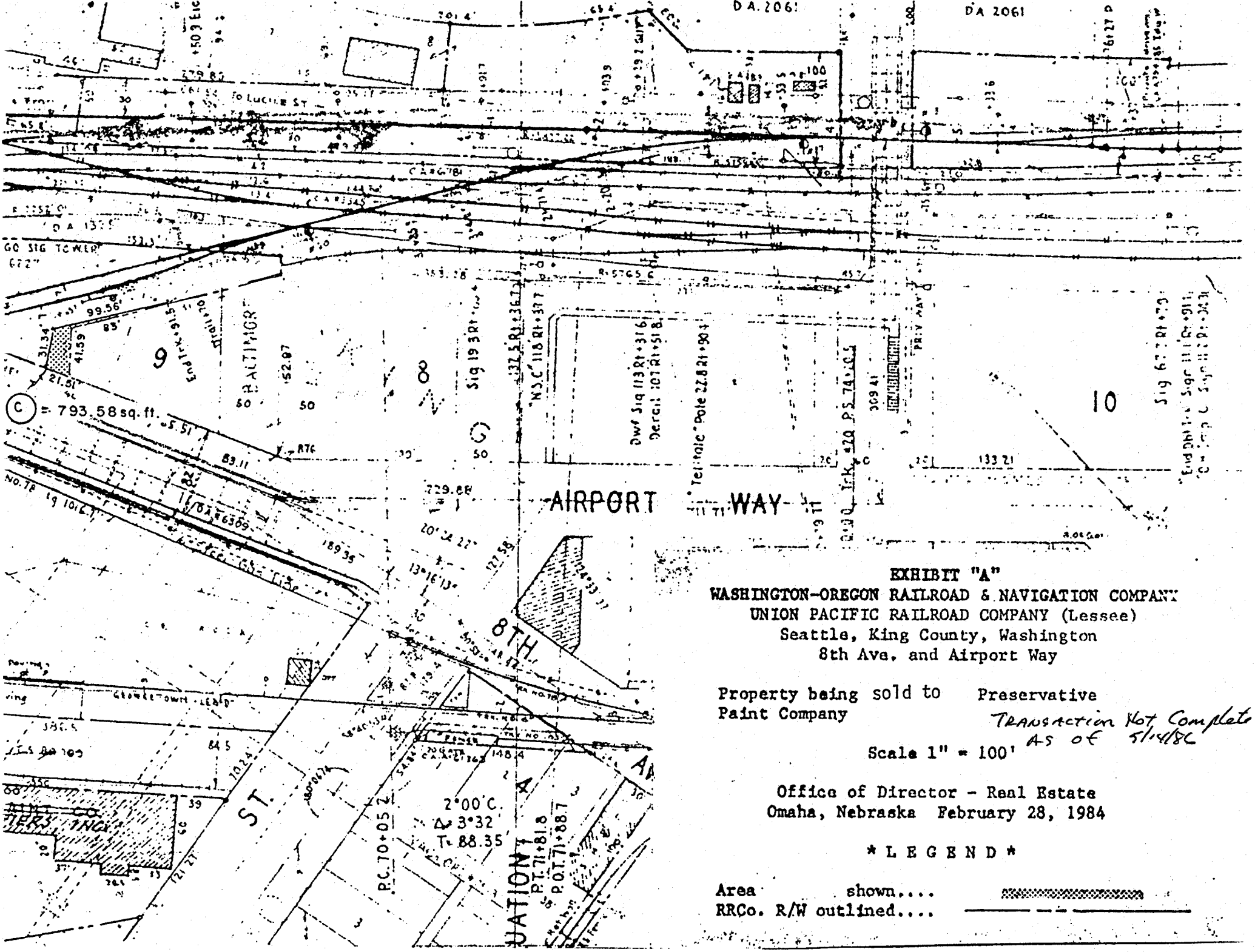


EXHIBIT "A"
WASHINGTON-OREGON RAILROAD & NAVIGATION COMPANY
UNION PACIFIC RAILROAD COMPANY (Lessee)
Seattle, King County, Washington
8th Ave. and Airport Way

Property being sold to Preservative Paint Company

Transaction Not Complete As of 5/14/84

Scale 1" = 100'

Office of Director - Real Estate
Omaha, Nebraska February 28, 1984

* L E G E N D *

Area shown....
RRCo. R/W outlined....

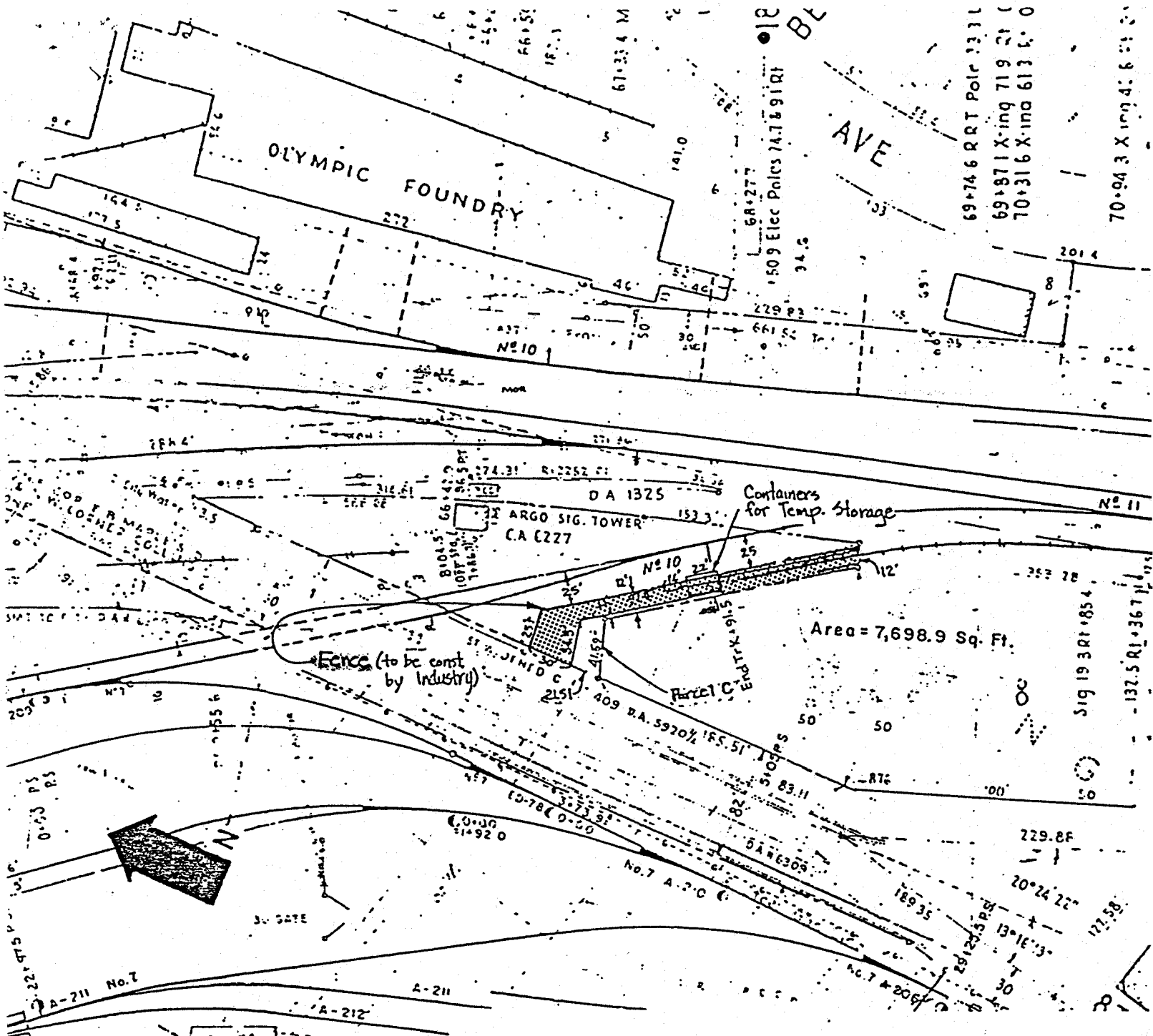


EXHIBIT "A"
OREGON-WASHINGTON RAILROAD & NAVIGATION CO.
UNION PACIFIC RAILROAD COMPANY (Lessee)
Seattle (Argo), King County, Washington

To accompany agreement with Preservative Paint Company covering roadway encroachment

Scale 1" = 100'

Office of Director-Real Estate
Omaha, Nebraska June 25, 1985

* L E G E N D *

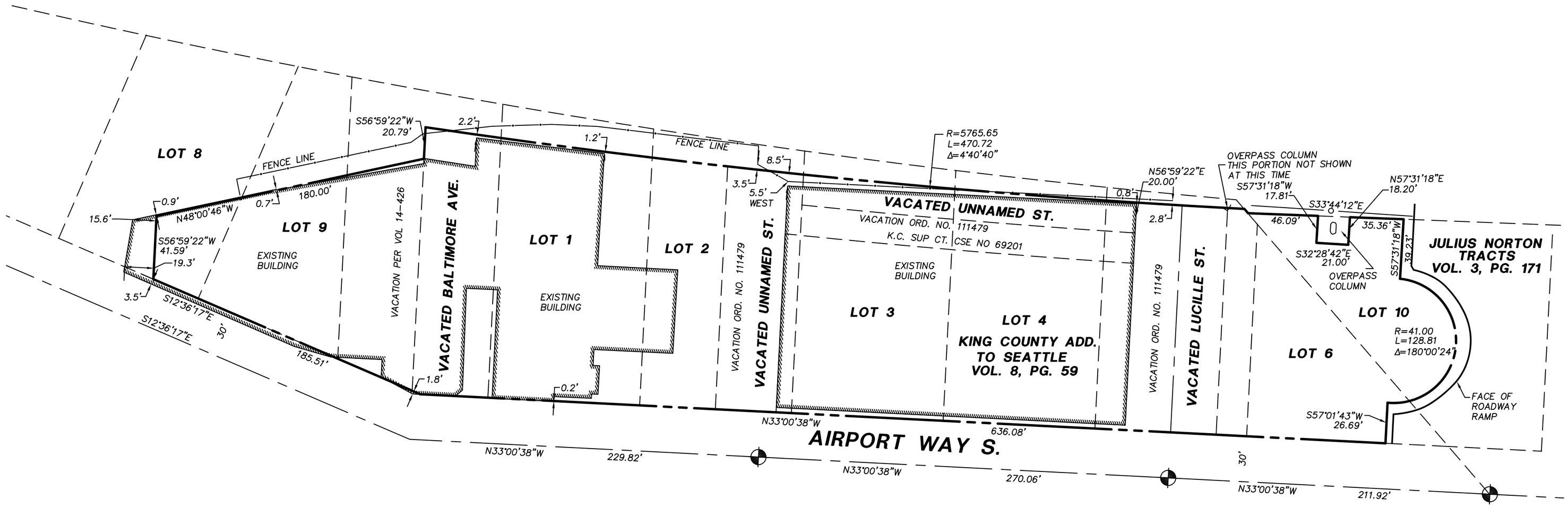
Roadway encroachment shown... ORANGE
Fence shown...
RRCo. R/W outlined...

FILE WA 810-04
RCV

BOUNDARY EXHIBIT

FOR THE KELLY MOORE PAINT CO. INC.

NW 1/4, SE 1/4 AND THE SW 1/4, NE 1/4 OF SEC 20N.,T.24, R.4E., W.M.



LEGAL DESCRIPTION

ALL THOSE PARTS OF LOTS 8 AND 9, BLOCK 9, KING COUNTY ADDITION TO THE CITY OF SEATTLE, KING COUNTY, WASHINGTON, ACCORDING TO THE OFFICIAL PLAT THEREOF ON FILE IN THE AUDITORS OFFICE OF KING COUNTY, WASHINGTON AND VACATED BALTIMORE AVENUE BETWEEN BLOCKS 8 AND 9 OF SAID ADDITION DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE CENTER LINE OF VACATED BALTIMORE AVENUE WITH THE NORTHEASTERLY LINE OF AIRPORT WAY (FORMERLY 8TH AVENUE SOUTH); THENCE NORTHEASTERLY ALONG THE CENTER LINE OF VACATED BALTIMORE AVENUE, A DISTANCE OF 152.87 FEET TO A POINT THEREON; THENCE NORTHWESTERLY ALONG A STRAIGHT LINE WHICH FORMS AN ANGLE OF 74°59'52" FROM THE SOUTHWEST TO THE NORTHWEST WITH SAID CENTER LINE OF VACATED BALTIMORE AVENUE, A DISTANCE OF 180 FEET TO A POINT; THENCE SOUTHWESTERLY ALONG A STRAIGHT LINE WHICH FORMS AN ANGLE OF 105°0'08" FROM SOUTHEAST TO SOUTHWEST WITH THE LAST DESCRIBED STRAIGHT LINE A DISTANCE OF 41.59 FEET TO A POINT ON SAID NORTHEASTERLY LINE OF AIRPORT WAY; THENCE SOUTHEASTERLY ALONG SAID NORTHEASTTERLY LINE OF AIRPORT WAY A DISTANCE OF 185.51 FEET TO POINT OF BEGINNING; LOT 1 AND THE SOUTHEASTERLY ONE-HALF OF VACATED BALTIMORE AVENUE, ADJOINING, AND NORTHWESTERLY HALF OF LOT 2; EXCEPT RIGHT-OF-WAY CONVEYED TO NORTHERN PACIFIC RAILWAY COMPANY BY DEED RECORDED UNDER RECORDING NUMBER 628522 AND THAT PORTION OF THE SOUTH 10 FEET OF LOT 2 AND ALL OF LOTS 3 AND 4 AND THE NORTH 20 FEET OF LOT 5, ALL IN BLOCK 8, KING COUNTY ADDITION TO THE CITY OF SEATTLE, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 8 OF PLATS, PAGE 59, IN KING COUNTY, WASHINGTON, LYING SOUTHWESTERLY OF THE STRIP OF LAND APPROPRIATED BY CITY OF GEORGETOWN BY JUDGMENT ENTERED IN KING COUNTY SUPERIOR COURT CAUSE NUMBER 69201;

ALSO THAT PORTION OF THE NORTH 20 FEET OF THE SOUTH 20 FEET OF SAID LOT 2 AS DESCRIBED IN INSTRUMENT RECORDED UNDER RECORDING NUMBER 8211120680 LYING WEST OF THE EAST LINE OF THOSE PORTIONS OF SAID LOTS 2, AND 4 DESCRIBED ABOVE PRODUCED NORTHERLY;

ALSO THAT PORTION OF LOT 5 LYING SOUTHERLY OF SOUTH LUCILLE STREET AND ALL OF LOT 6, BLOCK 8, KING COUNTY ADDITION TO THE CITY OF SEATTLE, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 8 OF PLAT, PAGE 59, IN KING COUNTY, WASHINGTON;

ALSO THAT PORTION OF TRACT 10, TRACTS OF JULIUS HORTON, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 3 OF PLAT, PAGE 171, IN KING COUNTY, WASHINGTON, LYING NORTHWESTERLY AND SOUTHWESTERLY OF THE THREE TRACTS CONVEYED TO THE CITY OF SEATTLE BY DEED RECORDED UNDER RECORDING NUMBER 84020685;

TOGETHER WITH THAT PORTION OF VACATED LUCILLE STREET AND UNNAMED STREET AS VACATED UNDER VACATION ORDINANCE NO. 111479 AND FILE UNDER RECORDING NUMBER 8401100723, WHICH WOULD ATTACH TO AL THE ABOVE DESCRIBED PROPERTY BY OPERATION OF LAW; EXCEPT THOSE "AERIAL RIGHTS" AND "PERPETUAL RIGHTS: CONVEYED TO THE CITY OF SEATTLE BY DEED RECORDED UNDER KING COUNTY RECORDING NUMBER 8402020686.

SURVEY NOTES:

1. *THE PURPOSE OF THIS SURVEY IS TO DEFINE THE BOUNDARY LINES OF THE PARCEL DESCRIBED HEREON. NO CORNERS HAVE BEEN SET AT THIS TIME.*
2. *FIELD WORK WAS DONE IN SEPTEMBER AND OCTOBER OF 2008 USING TRIMBLE 4400 SERIES GPS RECEIVERS (RTK METHOD) AND A SOKIA SET, TWO SECOND TOTAL STATION WITH RESULTING CLOSURES EXCEEDING THE MINIMUM ACCURACY STANDARDS AS ESTABLISHED BY W.A.C. 332-130.*
3. *THE BOUNDARY CORNERS AND LINES DEPICTED ON THIS MAP ARE PER RECORD TITLE INFORMATION AND REPRESENT DEED LINES ONLY. THEY DO NOT PURPORT TO SHOW OWNERSHIP LINES THAT MAY OTHERWISE BE DETERMINED BY A COURT OF LAW.*
4. *THE TITLE REPORT FOR THE PARCEL AS SHOWN HEREON WAS PROVIDED BY THE CLIENT AND WAS PREPARED BY STEWART TITLE COMPANY OF WASHINGTON INC. TITLE ORDER NO. 253607 DATED JULY 22, 1994.*
5. *REFERENCE IS MADE TO THE FOLLOWING RECORDS OF SURVEY WHICH WERE USED TO CALCULATE AND/OR ASCERTAIN THE BOUNDARY AS SHOWN HEREON...*
   RECORD OF SURVEY RECORDING NO. 7609019001.
   RECORD OF SURVEY RECORDING NO. 20070831900003.
   PLAT OF KING COUNTY ADDITION TO THE CIT OF SEATTLE VOLUME 8, PAGE 59.
   CITY OF SEATTLE PUBLIC UTILITIES MAPS OF THE SE AND NE QUARTERS OF SEC. 20-24-4

   RECORDS OF KING COUNTY, WASHINGTON.

LEGEND

⊕ = FOUND CASED CONCRETE MONUMENT

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CENTERLINE OF AIRPORT WAY S. PER RECORD OF SURVEY RECORDING NUMBER 7609019001 BEARING N33°00'38"W AS SHOWN.

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.

ROBERT J. BOGDON
STATE OF WASHINGTON
33487
REGISTERED
PROFESSIONAL LAND SURVEYOR
PRELIMINARY
SUBJECT TO REVISION

INDEX LOCATION:
SEC 20 T24N.R 4E. W.M.

20

RECORDER'S CERTIFICATE .....

FILED FOR RECORD THIS.....DAY OF ..... 200....AT.....M
IN BOOK.....OF.....AT PAGE.....AT THE
REQUEST OF .....ROBERT J. BOGDON.....
SURVEYOR'S NAME

....
MGR. SUPT. OF RECORDS

SURVEYOR'S CERTIFICATE

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE SURVEY RECORDING ACT AT THE REQUEST OF KELLY MOORE PAINT CO. INC. IN SEPT. 2008

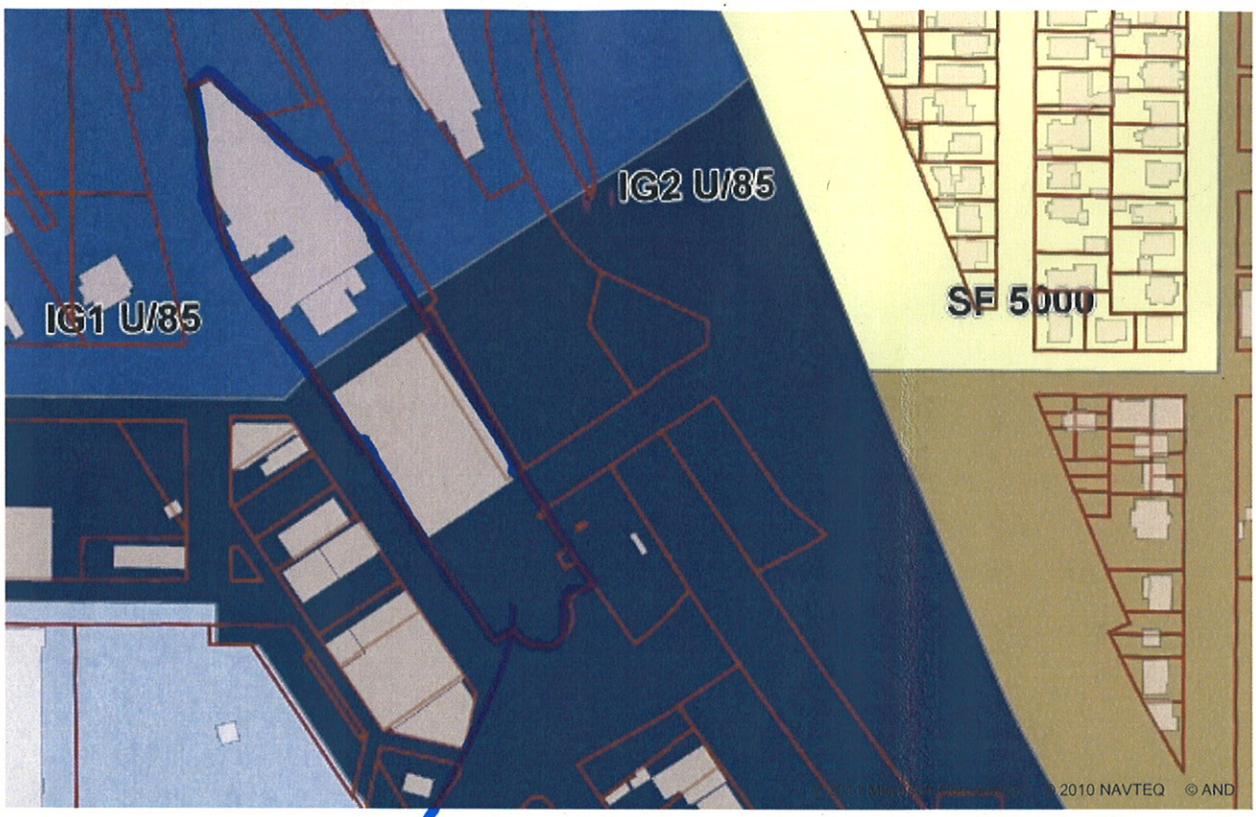
.....
ROBERT J. BOGDON
CERTIFICATE NO. 33487

EASTSIDE CONSULTANTS, INC.
ENGINEERS-SURVEYORS
1320 N.W. MALL ST., SUITE B
ISSAQUAH, WASHINGTON 98027
PHONE: (425)392-5351
FAX: (425)392-4676

RECORD OF SURVEY FOR
KELLY MOORE PAINT CO. INC.
KING COUNTY WASHINGTON

DWN BY	DATE	JOB NO.
EMW	12/08	08109
CHKD BY	SCALE	SHEET
R. BOGDON	1"=50'	1 OF 1

Seattle.gov
City of Seattle



Displaying layers:
Detailed Zoning
Overlay
Building Outlines
Parcels

No warranties of any sort, including accuracy, fitness, or merchantability accompany this product.
Copyright 2007, All Rights Reserved, City of Seattle

KM property:

North parcel zoned IG1 U/85 = General Industrial 1

South parcel zoned IG2 U/85 = General Industrial 2

EXHIBIT A

The land referred to in this Limited Liability Certificate is situated in the county of King, state of Washington, and described as follows:

All those parts of Lots 8 and 9, Block 9, King County Addition to the City of Seattle, King County, Washington, according to the official plat thereof on file in the Auditors Office of King County, Washington and vacated Baltimore Avenue between Blocks 8 and 9 of said addition described as follows:

Beginning at the intersection of the center line of vacated Baltimore Avenue with the northeasterly line of Airport Way (formerly 8th Avenue South);
thence northeasterly along the center line of vacated Baltimore Avenue, a distance of 152.87 feet to a point thereon;
thence northwesterly along a straight line which forms an angle of 74°59'52" from the southwest to the northwest with said center line of vacated Baltimore Avenue, a distance of 180 feet to a point;
thence southwesterly along a straight line which forms an angle of 105°0'08" from southeast to southwest with the last described straight line a distance of 41.59 feet to a point on said northeasterly line of Airport Way;
thence southeasterly along said northeasterly line of Airport Way a distance of 185.51 feet to point of beginning;
Lot 1 and the southeasterly one-half of vacated Baltimore Avenue, adjoining, and northwesterly half of Lot 2;
EXCEPT right-of-way conveyed to Northern Pacific Railway Company by deed recorded under Recording Number 628522 and that portion of the south 10 feet of Lot 2 and all of Lots 3 and 4 and the north 20 feet of Lot 5. All in Block 8, King County Addition to the City of Seattle, according to the plat thereof recorded in Volume 8 of Plats, page 59, in King County, Washington, lying southwesterly of the strip of land appropriated by the City of Georgetown by judgment entered in King County Superior Court Cause Number 69201;

ALSO that portion of the north 20 feet of the south 30 feet of said Lot 2 as described in instrument recorded under Recording Number **8211120660** lying week of the east line of those portions of said Lots 2, 3 and 4 described above produced northerly;

ALSO that portion of Lot 5 lying southerly of South Lucille Street and all of 6, Block 8, King County Addition to the City of Seattle, according to the plat thereof recorded in Volume 8 of Plats, page 59, in King County, Washington;

ALSO that portion of Tract 10, Tracts of Julius Horton, according to the plat thereof recorded in Volume 3 of Plats, page 171, in King County, Washington, lying northwesterly and southwesterly of the three tracts conveyed to the City of Seattle by deed recorded under Recording Number 8402020685;

TOGETHER WITH that portion of vacated Lucille Street and unnamed street as vacated under vacation Ordinance No. 111479 and filed under Recording Number **6401100723**, which would attach to all the above described property by Operation of Law;
EXCEPT those "aerial rights" and "perpetual rights" conveyed to the City of Seattle by deed recorded under King County Recording Number 8402020686.

Department of Revenue
Washington State

REAL ESTATE EXCISE TAX AFFIDAVIT

PLEASE TYPE OR PRINT

CHAPTER 82.45 RCW – CHAPTER 458-61A WAC

This form is your receipt when stamped by cashier.

THIS AFFIDAVIT WILL NOT BE ACCEPTED UNLESS ALL AREAS ON ALL PAGES ARE FULLY COMPLETED

(See back of last page for instructions)

☐ Check box if partial sale of property

If multiple owners, list percentage of ownership next to name.

1 SELLER GRANTOR

Name: **Kelly-Moore Paint Company, Inc., a California corporation and wholly-owned subsidiary of K-M Industries Holding Co., Inc.**

Mailing Address **987 Commercial Ave**

City/State/Zip **San Carlos, CA 94070**

Phone No. (including area code)

2 BUYER GRANTEE

Name: **NCD GeorgeTown, LLC, a Washington limited liability company**

Mailing Address **11112 Rainier Ave S**

City/State/Zip **Seattle, WA 98178**

Phone No. (including area code)

3 Send all property tax correspondence to: ☒ Same as Buyer/Grantee

Name

Mailing Address

City/State/Zip

Phone No. (including area code)

List all real and personal property tax parcel account numbers-check box if personal property

386840-0270-00 ☐

☐

☐

0010 ☐

List assessed value(s)

2,707,600.00

4 Street address of property: **5410 Airport Way South, Seattle, WA 98108-1726**

This property is located in Seattle

☐ Check box if any of the listed parcels are being segregated from another parcel, are part of a boundary line adjustment or parcels being merged.

Legal description of property (if more space is needed, you may attach a separate sheet to each page of the affidavit)

PARCEL A OF LOT BOUNDARY ADJUSTMENT NO. 3011771, RECORDED MARCH 11, 2011 UNDER RECORDING NO. 20110311900004, IN KING COUNTY, WASHINGTON.

5 Select Land Use Code(s):

59

enter any additional codes:

(See back of last page of instructions)

	YES	NO
Was the seller receiving a property tax exemption or deferral under chapters 84.36, 84.37, or 84.38 RCW (nonprofit organization, senior citizen, or disabled person, homeowner with limited income)?	☐	☒

6

	YES	NO
Is this property designated as forest land per chapter 84.33 RCW?	☐	☒
Is this property classified as current use (open space, farm and agricultural, or timber) land per Chapter 84.34 RCW?	☐	☒
Is this property receiving special valuation as historical property per chapter 84.26 RCW?	☐	☒

If any answers are yes, complete as instructed below.

(1) NOTICE OF CONTINUANCE (FOREST LAND OR CURRENT USE)

NEW OWNER(S): To continue the current designation as forest land or classification as current use (open space, farm and agriculture, or timber) land, you must sign on (3) below. The county assessor must then determine if the land transferred continues to qualify and will indicate by signing below. If the land no longer qualifies or you do not wish to continue the designation or classification, it will be removed and the compensating or additional taxes will be due and payable by the seller or transferor at the time of sale. (RCW 84.33.140 or RCW 84.34.108). Prior to signing (3) below, you may contact your local county assessor for more information.

This land ☐ does ☐ does not qualify for continuance.

DEPUTY ASSESSOR DATE

(2) NOTICE OF COMPLIANCE (HISTORIC PROPERTY)

NEW OWNER(S): To continue special valuation as historic property, sign (3) below. If the new owner(s) does not wish to continue, all additional tax calculated pursuant to chapter 84.26 RCW, shall be due and payable by the seller or transferor at the time of sale.

(3) OWNER(S) SIGNATURE

PRINT NAME

7 List all personal property (tangible and intangible) included in selling price.

None

If claiming an exemption, list WAC number and reason for exemption:

WAC No. (Section/Subsection) 458-61A-306(2)

Reason for exemption Date of Sale

Type of Document **Statutory Warranty Deed**

Date of Document **October 28, 2014**

Gross Selling Price	$	**2,250,000.00**
*Personal Property (deduct)	$	**0.00**
Exemption Claimed (deduct)	$	**0.00**
Taxable Selling Price	$	**2,250,000.00**
Excise Tax : State	$	**40,050.00**
☐ Local	$	
*Delinquent Interest: State	$	
Local	$	
*Delinquent Penalty	$	
Subtotal	$	**40,050.00**
*State Technology Fee	$	**5.00**
*Affidavit Processing Fee	$	
Total Due	$	**40,055.00**

A MINIMUM OF $10.00 IS DUE IN FEE(S) AND/OR TAX

*SEE INSTRUCTIONS

8 **I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT.**

Signature of Grantor or Grantor's Agent

Name (print) Lauren Johnson First

Date & city of signing: 1/15/2015 Anchorage,

Signature of Grantee or Grantee's Agent

Name (print) David J. Jenkins

Date & city of signing: 1-15-2015 Seattle

Perjury: Perjury is a class C felony which is punishable by imprisonment in the state correctional institution for a maximum term of not more than five years, or by a fine in an amount fixed by the court of not more than five thousand dollars ($5,000.00), or by both imprisonment and fine (RCW 9A.20.020(1C)).

THIS SPACE - TREASURER'S USE ONLY COUNTY TREASURER

E2710332

01/16/2015 16:19
KING COUNTY, WA
TAX $40,055.00
SALE $2,250,000.00

PAGE-001 OF 001

State of Washington
Department of Revenue
Miscellaneous Tax Section
PO Box 47477
Olympia WA 98504-7477

REAL ESTATE EXCISE TAX SUPPLEMENTAL STATEMENT

(WAC 458-61A-304)

This form must be submitted with the Real Estate Excise Tax Affidavit (FORM REV 84 0001A for deeded transfers and Form REV 84.0001B for controlling interest transfers) as provided below. Completion of this form is required for the types of real property transfers listed in numbers 1-3 below. Only the first page of this form needs original signatures.

AUDIT: Information you provide on this form is subject to audit by the Department of Revenue. **In the event of an audit, it is the taxpayers' responsibility to provide documentation to support the selling price of any exemption claimed.** This documentation must be maintained for a minimum of four years from date of sale. (RCW 82.45.100) Failure to provide supporting documentation when requested may result in the assessment of tax, penalties, and interest. Any filing that is determined to be fraudulent will carry a 50% evasion penalty in addition to any other accrued penalties or interest when the tax is assessed.

PERJURY: Perjury is a class C felony which is punishable by imprisonment in a state correctional institution for a maximum term of not more than five years, or by a fine in an amount fixed by the court of not more than five thousand dollars ($5,000.00), or by both imprisonment and fine (RCW 9A.20.020(1C)).

The persons signing below do hereby swear under penalty of perjury that the following is true (check appropriate statement):

1. [X] **DATE OF SALE**: (WAC 458-61A-306(2))

I, (print name) **Chantale A. Stiller-Anderson**

certify that the **Statutory Warranty Deed** (type of instrument) dated **October 28, 2014**, was delivered to me in escrow by **Kelly Moore Paint Company, Inc.** (seller's name).

NOTE: Agent named here must sign below and indicate name of firm. The payment of the tax is considered current if it is not more than 90 days beyond the date shown on the instrument. If it is past 90 days, interest and penalties apply to the date of the instrument.

Reason held in escrow **original close date was October, financing issues with buyers lender delayed until now**

Chantale A. Stiller-Anderson — **First American Title Insurance Company**

Signature — Firm Name

2. **GIFTS**: (WAC 458-61A-201) The gift of equity is non-taxable; however, any consideration received is not a gift and is taxable. The value exchanged or paid for equity plus the amount of debt equals the taxable amount. One of the boxes below must be checked. Both Grantor (seller) and Grantee (buyer) must sign below.

Grantor (seller) gifts equity valued at $ _____ to grantee (buyer).

NOTE: Examples of different transfer types are provided on the back. This is to assist you with correctly completing this form and paying your tax.

"Consideration" means money or anything of value, either tangible (boats, motor homes, etc) or intangible, paid or delivered, or contracted to be paid or delivered, including performance of services, in return for the transfer of real property. The term includes the amount of any lien, mortgage, contract indebtedness, or other encumbrance, given to secure the purchase price, or any part thereof, or remaining unpaid on the property at the time of sale. **"Consideration"** includes the assumption of an underlying debt on the property by the buyer at the time of transfer.

A. Gifts with consideration

1. [ ] Grantor (seller) has made and will continue to make all payments after this transfer on the total debt of $ _____ and has received from the grantee (buyer) $ _____ (include in this figure the value of any items received in exchange for property). Any consideration received by grantor is taxable.

2. [ ] Grantee (buyer) will make payments on _____% on total debt of $ _____ for which grantor (seller) is liable and pay grantor (seller) $ _____ (include in this figure the value of any items received in exchange for property) Any consideration received by grantor is taxable.

B. Gifts without consideration

1. [ ] There is no debt on the property; Grantor (seller) has not received any consideration towards equity. No tax is due.

2. [ ] Grantor (seller) has made and will continue to make 100% of payments on total debt of $ _____ and has not received any consideration towards equity. No tax is due.

3. [ ] Grantee (buyer) has made and will continue to make 100% of payments on total debt of $ _____ and has not paid grantor (seller) any consideration towards equity. No tax is due.

4. [ ] Grantor (seller) and grantee (buyer) has made and will continue to make payments from joint account on total debt before and after the transfer. Grantee (buyer has not paid grantor (seller) any consideration towards equity. No tax is due.

Has there been or will there be a refinance of the debt? [ ] YES [ ] NO (If yes, please call (360) 534-1503 to see if this transfer is taxable). If grantor (seller) was on title as co-signor only, please see WAC 458-61A-215 for exemption requirements.

The undersigned acknowledges this transaction may be subject to audit and have read the above information regarding record-keeping requirements and evasion penalties.

_____ Grantor's Signature — _____ Date — _____ Grantee's Signature — _____ Date

_____ Grantor's Name (print) — _____ Grantee's Name (print)

3. [ ] **IRS "TAX DEFERRED" EXCHANGE (WAC 458-61A-213)**

I, (print name) _____, certify that I am acting as an Exchange Facilitator in transferring real property to _____ pursuant to IRC Section 1031, and in accordance with WAC 458-61A-213

NOTE: Exchange Facilitator must sign below.

_____
Exchange Facilitator's Signature

For tax assistance, contact your local County Treasurer/Recorder or visit http://dor.wa.gov or call (360) 534-1503. to inquire about the availability of this document in an alternate format please call 1-800-647-7706. Teletype (TTY) users may use the Washington Relay Service by calling 711.

Reproduced by First American Title Insurance Co., File No. NCS-665333-WA1 (cas)

REV 84 0002c (a) (6/26/14)

COUNTY TREASURER

Department of Assessments

500 Fourth Avenue, Suite ADM-AS-0708, Seattle, WA 98104

Office Hours: Mon - Fri 8:30 a.m. to 4:30 p.m.

TEL: 206-296-7300
FAX: 206-296-5107
TTY: 206-296-7888

Send us mail

PARCEL DATA

Parcel	386840-0270	Jurisdiction	SEATTLE
Name	NCD GEORGETOWN LLC	Levy Code	0010
Site Address		Property Type	C
Geo Area	35-30	Plat Block / Building Number	8 &
Spec Area		Plat Lot / Unit Number	1 & 2 &
Property Name	NEW WAREHOUSE CONSTRUCTION	Quarter-Section-Township-Range	SE-20-24-4

Legal Description

KING COUNTY ADD PCL A SEATTLE LBA #3011771 REC# 20110311900004 SD BLA BEING LOT 1 & N 1/2 OF LOT 2 LY SWLY OF NP RY R/W TGW POR OF VAC BALTIMORE ST AS VAC BY CO COM ON 7-19-04 TGW POR OF S 10 FT OF LOT 2 & ALL OF LOTS 3 & 4 & N 20 FT OF LOT 5 LY SWLY OF STRIP OF LAND APPROPRIATED BY CITY OF GEORGETOWN BY JUDGMENT ENTERED IN KC SCC #69201 TGW POR OF N 20 FT OF S 30 FT OF SD LOT 2 AS DESC BY REC #8211120680 LY W OF E LN OF THOSE PORTIONS OF SD LOTS 2-3-4 DESC ABOVE PRODUCED NLY TGW POR LOT 5 LY SLY OF S LUCILLE ST & ALL LOT 6 TGW POR OF TR 10 OF PLAT OF JULIUS HORTON TRACTS LY NWLY & SWLY OF THE THREE TRACTS CONVEYED TO CITY OF SEATTLE BY REC #8402020685 TGW THAT PORTION OF VAC LUCILLE ST & UNNAMED ST AS VAC UNDER VAC ORD 111479 & REC #8401100723 TGW POR OF BLK 9 OF SD KING COUNTY ADD DAF - BEG NXN C/L VAC BALTIMORE ST WITH NELY MGN AIRPORT WAY TH NELY ALG SD C/L 152.87 FT TH N 48-00-46 W A DIST OF 97.00 FT TH N 41-59-14 E A DIST OF 0.80 FT TH N 47-41-49 W A DIST OF 99.56 FT TH S 63-58-49 W A DIST OF 31.34 FT TO E MGN OF SD AIRPORT WY & TERM OF LN DESC LESS C/M RGTS EXCEPT THOSE "AERIAL RGTS" & "PERPETUAL RGTS" CONVEYED TO CITY OF SEATTLE BY REC NO 8402020686 - ALL LY NORTH OF N MGN OF STATE HWY AS DEEDED BY AF #5706854
PLat Block: 8 &
Plat Lot: 1 & 2 &

LAND DATA

Highest & Best Use As If Vacant	MANUFACTURING
Highest & Best Use As Improved	(unknown)
Present Use	Industrial(Heavy)
Land SqFt	54,964
Acres	1.26

Percentage Unusable	0
Unbuildable	NO
Restrictive Size Shape	NO
Zoning	IG2 U/85
Water	WATER DISTRICT
Sewer/Septic	PUBLIC
Road Access	PUBLIC
Parking	ADEQUATE
Street Surface	PAVED

Views

Rainier	
Territorial	
Olympics	
Cascades	
Seattle Skyline	
Puget Sound	
Lake Washington	
Lake Sammamish	
Lake/River/Creek	
Other View	

Waterfront

Waterfront Location	
Waterfront Footage	0
Lot Depth Factor	0
Waterfront Bank	
Tide/Shore	
Waterfront Restricted Access	
Waterfront Access Rights	NO
Poor Quality	NO
Proximity Influence	NO

Designations

Historic Site	
Current Use	(none)
Nbr Bldg Sites	
Adjacent to Golf Fairway	NO
Adjacent to Greenbelt	NO
Other Designation	NO
Deed Restrictions	NO
Development Rights Purchased	NO
Easements	NO
Native Growth Protection Easement	NO
DNR Lease	NO

Nuisances

Topography	
Traffic Noise	
Airport Noise	
Power Lines	NO
Other Nuisances	NO

Problems

Water Problems	NO
Transportation Concurrency	NO
Other Problems	NO

Environmental

Environmental	NO

Reference Links:

- King County Tax Links
- Property Tax Advisor
- Washington State Department of Revenue (External link)
- Washington State Board of Tax Appeals (External link)
- Board of Appeals/Equalization
- Districts Report
- iMap
- Recorder's Office

Scanned images of surveys and other map documents

Scanned images of plats

Notice mailing date: 08/06/2015

BUILDING

TAX ROLL HISTORY

Account	Valued Year	Tax Year	Omit Year	Levy Code	Appraised Land Value ($)	Appraised Imps Value ($)	Appraised Total Value ($)	New Dollars ($)	Taxable Land Value ($)	Taxable Imps Value ($)	Taxable Total Value ($)	Tax Value Reason
386840027000	2015	2016		0010	1,429,000	0	1,429,000	0	1,429,000	0	1,429,000	
386840027000	2014	2015		0010	1,429,000	1,278,600	2,707,600	0	1,429,000	1,278,600	2,707,600	
386840027000	2013	2014		0010	1,319,100	1,388,500	2,707,600	0	1,319,100	1,388,500	2,707,600	
386840027000	2012	2013		0010	1,236,600	1,469,000	2,705,600	0	1,236,600	1,469,000	2,705,600	
386840027000	2011	2012		0010	1,236,700	1,692,800	2,929,500	0	1,236,700	1,692,800	2,929,500	
386840027000	2010	2011		0010	1,357,100	1,480,900	2,838,000	0	1,357,100	1,480,900	2,838,000	
386840027000	2009	2010		0010	2,912,500	2,631,600	5,544,100	0	2,912,500	2,631,600	5,544,100	
386840027000	2008	2009		0010	2,783,000	2,761,100	5,544,100	0	2,783,000	2,761,100	5,544,100	
386840027000	2007	2008		0010	2,330,000	2,950,100	5,280,100	0	2,330,000	2,950,100	5,280,100	
386840027000	2006	2007		0010	1,941,600	3,073,200	5,014,800	0	1,941,600	3,073,200	5,014,800	
386840027000	2005	2006		0010	1,941,600	2,858,400	4,800,000	0	1,941,600	2,858,400	4,800,000	
386840027000	2004	2005		0010	1,553,300	2,231,300	3,784,600	0	1,553,300	2,231,300	3,784,600	
386840027000	2003	2004		0010	1,553,300	2,216,600	3,769,900	0	1,553,300	2,216,600	3,769,900	
386840027000	2002	2003		0010	1,553,300	2,185,700	3,739,000	0	1,553,300	2,185,700	3,739,000	
386840027000	2001	2002		0010	1,553,300	1,514,600	3,067,900	0	1,553,300	1,514,600	3,067,900	
386840027000	2000	2001		0010	1,553,300	1,514,600	3,067,900	0	1,553,300	1,514,600	3,067,900	
386840027000	1999	2000		0010	1,294,400	1,703,900	2,998,300	0	1,294,400	1,703,900	2,998,300	
386840027000	1998	1999		0010	1,294,400	1,804,000	3,098,400	724,000	1,294,400	1,804,000	3,098,400	
386840027000	1997	1998		0010	0	0	0	0	1,294,400	1,080,000	2,374,400	
386840027000	1996	1997		0010	0	0	0	0	1,294,400	880,000	2,174,400	
386840027000	1994	1995		0010	0	0	0	0	1,294,400	880,000	2,174,400	
386840027000	1993	1994		0010	0	0	0	0	1,294,400	880,000	2,174,400	
386840027000	1992	1993		0010	0	0	0	0	1,120,000	880,000	2,000,000	
386840027000	1991	1992		0010	0	0	0	0	753,700	1,101,900	1,855,600	
386840027000	1990	1991		0010	0	0	0	0	753,700	1,101,900	1,855,600	
386840027000	1988	1989		0010	0	0	0	0	232,000	420,300	652,300	
386840027000	1987	1988		0010	0	0	0	0	231,600	345,000	576,600	
386840027000	1986	1987		0010	0	0	0	0	231,600	345,000	576,600	
386840027000	1985	1986		0010	0	0	0	0	231,600	345,000	576,600	
386840027000	1984	1985		0010	0	0	0	0	231,600	263,400	495,000	
386840027000	1982	1983		0010	0	0	0	0	133,100	156,000	289,100	

SALES HISTORY

Excise Number	Recording Number	Document Date	Sale Price	Seller Name	Buyer Name	Instrument	Sale Reason
2710332	20150116001333	10/28/2014	$2,250,000.00	KELLY-MOORE PAINT COMPANY INC	NCD GEORGETOWN LLC	Statutory Warranty Deed	None
2410244	20090929001445	9/28/2009	$1,800.00	KELLY-MOORE PAINT CO INC	QWEST CORP	Other - See Affidavit	None
2071059	20040921000313	6/28/2004	$0.00	KM INDUSTRIES HOLDING CO INC	KELLY-MOORE PAINT COMPANY INC	Quit Claim Deed	Other
1945929	20030320000050	3/18/2003	$500.00			Other - See Affidavit	(Unknown)
695309	198211120680	10/8/1982	$0.00	PRESERVATIVE PAINT COMPANY INC	AERONAUTICAL MACHINISTS INC	Quit Claim Deed	(Unknown)

REVIEW HISTORY

Tax Year	Review Number	Review Type	Appealed Value	Hearing Date	Settlement Value	Decision	Status
2010	0903753	Local Appeal	$5,544,100	1/1/1900	$5,544,100	SUSTAIN	Completed
2009	0811332	Local Appeal	$5,544,100	1/1/1900	$5,544,100	SUSTAIN	Completed
2007	0601252	Local Appeal	$5,014,800	1/1/1900	$5,014,800	SUSTAIN	Completed
2006	64285	State Appeal	$4,800,000	8/31/2006	$4,800,000	SUSTAIN	Completed
2006	0501865	Local Appeal	$5,014,800	1/1/1900	$4,800,000	REVISE	Completed
1996	9500695	Local Appeal	$2,174,400	1/1/1900	$0		Completed

PERMIT HISTORY

Permit Number	Permit Description	Type	Issue Date	Permit Value	Issuing Jurisdiction	Reviewed Date
6407657	Construction of storage and office building with caretaker unit and occupy, per plan,	Building, New	5/13/2015	$3,657,024	SEATTLE	
6425808	Demolish 14906 SF warehouse and office building, per plan.,	Demolition	10/31/2014	$0	SEATTLE	
6273764	Alterations to change use from warehouse to light manufacturing for brewery, and occupy per plans.	Remodel	4/8/2011	$25,000	SEATTLE	8/31/2011
696396		Building, New	1/7/1998	$857,000		

HOME IMPROVEMENT EXEMPTION

Updated: April 22, 2015

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APPENDIX B

Boring Logs and Survey

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Well No. KMW-01**
BORING LOCATION: Inside Building 2	GROUND SURFACE ELEVATION AND DATUM: Ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/23/11 / DATE FINISHED: 3/23/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 14.0 / SCREEN INTERVAL (ft.): 3.61-13.39
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER: FIRST 5.5, COMPL. NA / CASING: 3/4" Sched. 40 PVC
SAMPLING METHOD: Geoprobe macro-core sampler [3' x 1.5"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
					Surface Elevation: 19.37	
0					CONCRETE FLOOR	Traffic Box 8" traffic grade flushmount.
1					SILTY GRAVEL with SAND (GM): black (2.5Y 2.5/1), moist, 50% fine to coarse gravel, 30% fine to coarse sand, 20% non-plastic silt	3.0" diameter borehole
2					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to coarse sand, 10% non-plastic fines	Bentonite 3/8" chip seal
3				0.0		3/4" diameter Schedule 40 PVC casing
4						
5					scattered material with burned appearance	
6				0.0	wet	
7				0.0		2/12 filter pack sand
8						
9				0.0		3/4" diameter, 0.010" continuous slot, Schedule 40 PVC screen
10				0.0		
11					Cannot sample borehole deeper due to flowing sands	
12						
13						
14					bottom of boring at 14 feet	3/4" diameter, Schedule 40 PVC endcap
15						

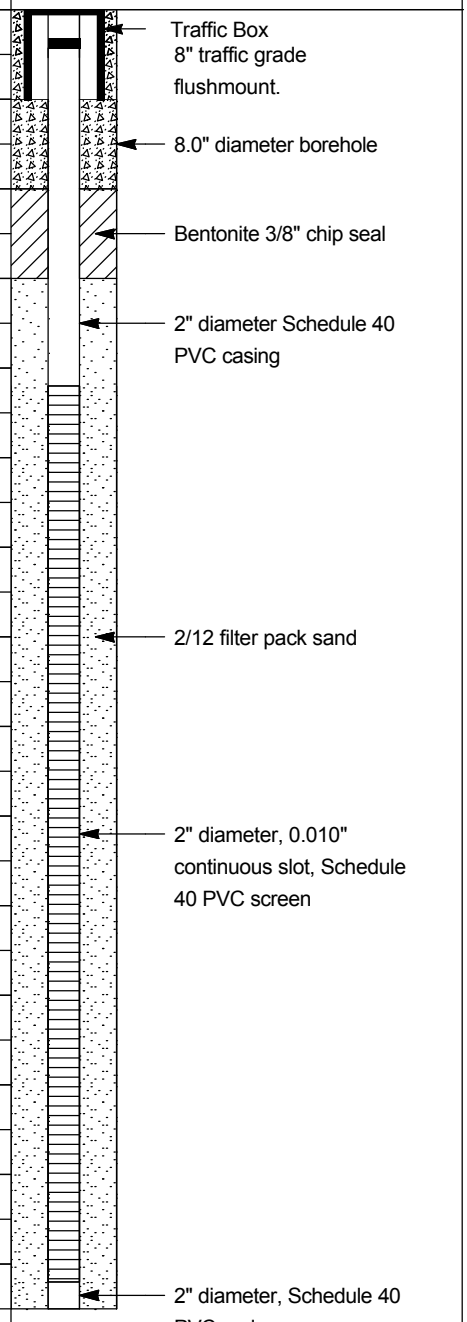
OAKWELLV (REV. 9/2007)

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation
Georgetown, Seattle, WA

Log of Well No. KMW-02

BORING LOCATION: Inside Building 3	GROUND SURFACE ELEVATION AND DATUM: Ground surface		
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/18/11		DATE FINISHED: 3/18/11
DRILLING METHOD: Hollow-stem auger	TOTAL DEPTH (ft.): 14.5		SCREEN INTERVAL (ft.): 3.97-13.73
DRILLING EQUIPMENT: Limited Access Rig	DEPTH TO WATER:	FIRST 5.5 / COMPL. NA	CASING: 2" Sched. 40 PVC
SAMPLING METHOD: Split-spoon drive sampler [18" x 2"]	LOGGED BY: S. Mikelich		
HAMMER WEIGHT: 140 lbs / DROP: 30"	RESPONSIBLE PROFESSIONAL: N. Bacher		REG. NO. L.G. 2528

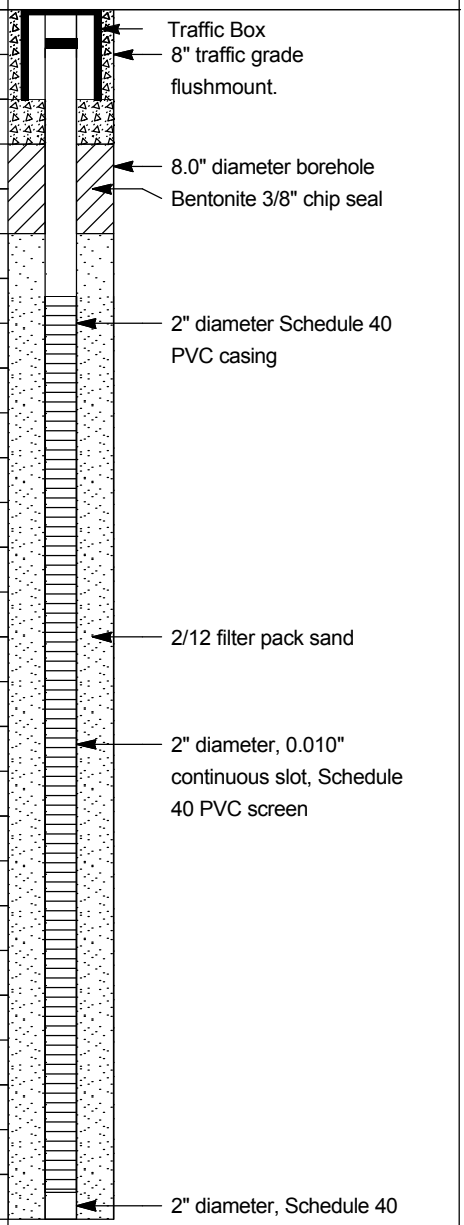
DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM Reading	DESCRIPTION: NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.
					Surface Elevation: 19.79
0					CONCRETE FLOOR
1					WELL GRADED SAND with SILT and GRAVEL (SW-SM): black (2.5Y 2.5/1), moist, 60% fine to coarse sand, 20% fine to coarse gravel, 10% non-plastic silt, 10% debris (wood, bricks, etc.)
2			7 4 3	0.0	
3					SILTY SAND (SM): dark reddish brown (5YR 3/3), moist to wet, 80% fine to medium sand, 20% non-plastic fines
4			9 12 10	0.0	
5	KMW-02-0311-5				
6			9 10 11	0.0	wet
7					
8			12 13 16	0.0	red staining (FeOx)
9					
10			14 15 18	0.0	
11			15 20 18	0.0	
12					
13			15 16 11	0.0	
14					Flowing sands- cannot continuously sample any deeper.
					Bottom of boring at 14.5 feet
15					



OAKWELLV (REV. 9/2007)

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Well No. KMW-03**
BORING LOCATION: Former UST Area, East of building 10	GROUND SURFACE ELEVATION AND DATUM: Ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/18/11 / DATE FINISHED: 3/18/11
DRILLING METHOD: Hollow-stem auger	TOTAL DEPTH (ft.): 13.5 / SCREEN INTERVAL (ft.): 3.64-13.42
DRILLING EQUIPMENT: Limited Access Rig	DEPTH TO WATER: FIRST 4.5, COMPL. NA / CASING: 2" Sched. 40 PVC
SAMPLING METHOD: Split-spoon drive sampler [18" x 2"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: 140 lbs / DROP: 30"	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.
					Surface Elevation: 18.64
0					No Recovery
1					
2			4 17 20	89.9	POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 80% fine to coarse sand, 10% non-plastic fines, 5% fine gravel, 5% debris, strong odor
3			12 9 6	437	
4					wet
5			12 9 9	990	
6			10 11 9	986	POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), wet, 90% fine to coarse sand, 10% non-plastic fines, trace fine gravel, strong odor
7					
8			12 14 15	648	
9			12 13 16	230	
10					
11			17 19 20	1178	
12			17 25 30	482	
13					Bottom of boring at 13.5 feet
14					
15					

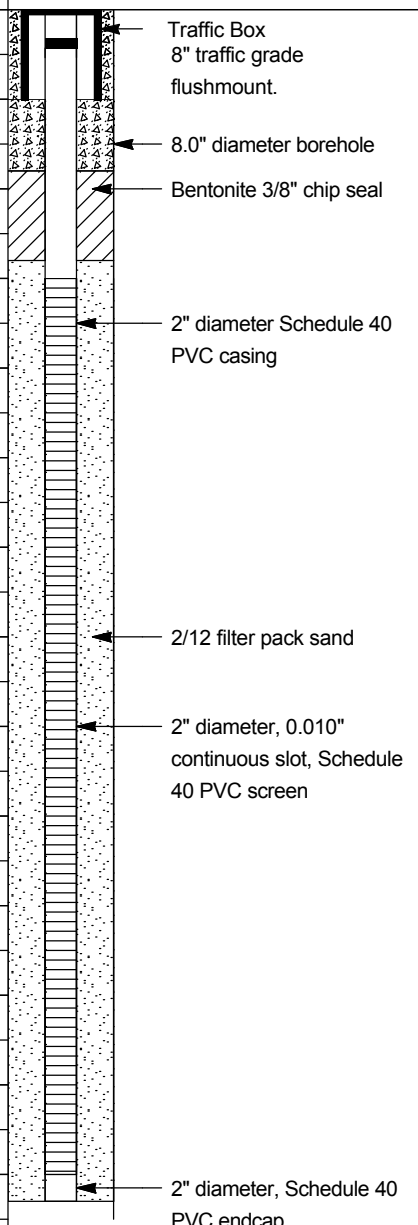


PROJECT: Kelly Moore Paint Company, Data Gaps Investigation
Georgetown, Seattle, WA

Log of Well No. KMW-04

BORING LOCATION: Near NW corner of S Warehouse	GROUND SURFACE ELEVATION AND DATUM: Ground surface		
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/17/11	DATE FINISHED: 3/17/11	
DRILLING METHOD: Hollow-stem auger	TOTAL DEPTH (ft.): 13.5	SCREEN INTERVAL (ft.): 3.2-13.2	
DRILLING EQUIPMENT: Limited Access Rig	DEPTH TO WATER: FIRST 4.8 / COMPL. NA	CASING: 2" Sched. 40 PVC	
SAMPLING METHOD: Split-spoon drive sampler [18" x 2"]	LOGGED BY: S. Mikelich		
HAMMER WEIGHT: 140 lbs / DROP: 30"	RESPONSIBLE PROFESSIONAL: N. Bacher	REG. NO. L.G. 2528	

DEPTH (feet)	SAMPLES Sample No.	SAMPLES Sample	SAMPLES Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.
					Surface Elevation: 18.64
0					No Recovery- Asphalt
1					SILTY SAND (SM): black (2.5Y 2.5/1), moist, 80% fine to coarse sand, 20% non-plastic fines, trace fine gravel
2	KMW-04-0311-2		15 15 16		SILTY SAND (SM): black (2.5Y 2.5/1), moist to wet, 80% fine to coarse sand, 20% non-plastic fines, strong odor
3			12 12 12		
4	KMW-04-0311-4.5				
5			5 5 10		wet
6			5 4 5		
7					
8			3 5 10		
9			5 6 7		
10					
11			10 10 10		
12			8 9 10		
13					Sand content increases to 90% at 13 feet
					Bottom of boring at 13.5 feet
14					
15					



WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

OAKWELLV (REV. 9/2007)

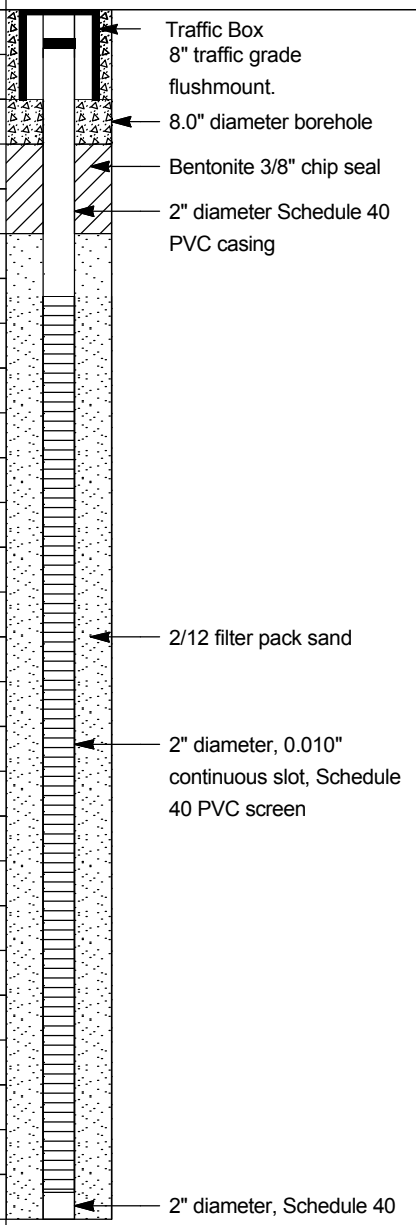
PROJECT: Kelly Moore Paint Company, Data Gaps Investigation
Georgetown, Seattle, WA

Log of Well No. KMW-05

BORING LOCATION: Former UST Area	GROUND SURFACE ELEVATION AND DATUM: Ground surface		
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/17/11		DATE FINISHED: 3/17/11
DRILLING METHOD: Hollow-stem auger	TOTAL DEPTH (ft.): 13.5		SCREEN INTERVAL (ft.): 3.28-12.74
DRILLING EQUIPMENT: Limited Access Rig	DEPTH TO WATER: FIRST 4	COMPL. NA	CASING: 2" Sched. 40 PVC
SAMPLING METHOD: Split-spoon drive sampler [18" x 2"]	LOGGED BY: S. Mikelich		
HAMMER WEIGHT: 140 lbs / DROP: 30"	RESPONSIBLE PROFESSIONAL: N. Bacher		REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.
					Surface Elevation: 18.88
0					CONCRETE FLOOR
1					SILTY SAND with GRAVEL (SM): dark grayish brown (2.5Y 4/2), moist, 70% fine to coarse sand, 20% non-plastic fines, 10% fine to coarse gravel
2	KMW-05-0311-2		30 17 30	0.0	
3	KMW-05-0311-3.5		17 15 12	0.0	lense of burned material, mostly wood
4					wet
5			8 6 6	0.0	POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to coarse sand, 10% non-plastic fines
6			12 12 18	0.0	
7					
8			18 20 24	0.0	
9			13 18 40	0.0	POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to medium sand, 5% fine gravel, 5% non-plastic fines
10					
11			7 12 30	0.0	Red staining (FeOx)
12					Cannot sample borehole deeper due to flowing sands.
13					Bottom of boring at 13.5 feet
14					
15					

WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS



OAKWELLV (REV. 9/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-6**
BORING LOCATION: Building 10 loading dock	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/7/09 / DATE FINISHED: 8/7/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 5.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0				23	CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-6-0809-2				POORLY GRADED SAND (SP): dark grayish brown (10YR 4/2), damp, 95% fine to coarse sand, 5% fines, some Iron oxide staining on coarse grained sediment	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2				144		
3				688		
4	KM-6-0809-4				very dark gray (10YR 3/1)	
5				595		
6				158	wet	
7				25		
8						Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-6-0809-W collected.
9						
10						Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-7**
BORING LOCATION: Building 10	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/7/09 / DATE FINISHED: 8/7/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 8.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
					CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-7-0809-2			1119	SILT with SAND (ML): black (N 2.5/), moist, 80% fines, 20% fine sand, low plasticity, charcoal-like appearance	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2				1073	POORLY GRADED SAND (SP): black (N 2.5/), moist, 85% fine to coarse sand, 10% fine and coarse gravel, 5% non-plastic fines	
3				28		
4					rusty colored weathering	
5				512	WELL GRADED SAND with SILT (SW-SM): dark gray (10YR 4/1), moist, 90% fine to coarse sand, 10% low-plasticity fines	
6				47		
7	KM-7-0809-7			293		
				398		
8					wet	Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-7-0809-W collected.
9						
10						Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-8**
BORING LOCATION: Building 10	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/7/09 / DATE FINISHED: 8/7/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 8.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0					Concrete	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-8-0809-2			0	SILT with SAND (ML): black (N 2.5/), moist, 80% fines, 20% fine sand, low plasticity, burned charcoal like appearance	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2				0		
3				0		
4				321		
5				1327	WELL GRADED SAND (SW): dark brown (10YR 3/3), moist, 95% fine to coarse sand, 5% non-plastic fines	
6				1859		
7	KM-8-0809-7			1241		
8				1237	▼ wet, petroleum-like sheen	Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-8-0809-W collected.
9						
10						Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-9**
BORING LOCATION: Building 8 West	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/5/09 / DATE FINISHED: 8/5/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 7.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0				0	POORLY GRADED SAND (SP): dark brown (10YR 3/3), moist, 90% fine to coarse sand, 5% fine gravel, 5% non-plastic fines	Boring cored from 0 to 0.5 feet bgs using a concrete corer. OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
1	KM-9-0809-2			0		
2						
3						
4						
5				0		
6				12		
7	KM-9-0809-7				▼ wet, slight yellowish staining, slight sheen on soil, moderate odor	
8				14		Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-8-0809-W collected.
9				15		
10						Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-10**
BORING LOCATION: Building 7	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/6/09 / DATE FINISHED: 8/6/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 8.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [3' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0					CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-10-0809-2			348 1040	POORLY GRADED SAND (SP): dark brown (10YR 3/3), moist, 85% fine to coarse sand, 10% fine and coarse gravel, 5% non-plastic fines, wood fragments in shoe	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2					POORLY GRADED SAND (SP): dark brown (10YR 3/3), moist, 95% fine to coarse sand, 5% non-plastic fines, contains wood debris	
3				564		
4				167		
5	KM-10-0809-5.5			171		
6				380		
7				175		
8				422	▼ wet, dark gray	Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-10-0809-W collected.
9				412 22		
10						Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-11**
BORING LOCATION: Building 7	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/6/09 / DATE FINISHED: 8/6/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 8.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [3' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0					CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-11-0809-2.5			0	POORLY GRADED SAND (SP): brown (10YR 5/3), moist, 95% fine to coarse sand, 5% non-plastic fines 90% fine to coarse sand, 5% fine and coarse gravel, 5% non-plastic fines, possibly burnt debris, charcoal-like streak	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2						
3				0	POORLY GRADED SAND (SP): dark brown (10YR 3/3), moist, 95% fine to coarse sand, 5% non-plastic fines	
4				0		
5				0		
6				0		
7	KM-11-0809-7			0		
8				0	wet	Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-11-0809-W collected.
9						
10				0	rusty colored weathering	Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-12**
BORING LOCATION: Building 9 loading dock	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/7/09 / DATE FINISHED: 8/7/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 5.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0				0	CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-12-0809-2			0	POORLY GRADED SAND (SP): very dark grayish brown (10YR 4/2), moist, 95% fine to coarse sand, 5% non-plastic fines	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2						
3				0	moist, yellowish brown (10YR 5/4), some iron oxide staining on coarse grained sediment	
4						
5	KM-12-0809-5			0		
					wet	
6				11.3	fine well graded sand	
7				0	dark gray (10YR 4/1)	
8				0		Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-12-0809-W collected.
9				0		
10				0		Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-13**
BORING LOCATION: Building 12	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/6/09 / DATE FINISHED: 8/6/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 2.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0				0	CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-13-0809-2				POORLY GRADED SAND with GRAVEL (SP): brown (10YR 4/3), moist, 80% fine to coarse sand, 15% fine and coarse gravel, 5% non-plastic fines	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2				0	Boring refusal at 2.0 feet, due to concrete.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
3						
4						
5						
6						
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OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-14**
BORING LOCATION: Building 5A	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/6/09 / DATE FINISHED: 8/6/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 7.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0					CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-14-0809-2			0	POORLY GRADED SAND (SP): dark brown (10YR 3/3), moist, 85% fine to coarse sand, 10% fine angular gravel, 5% non-plastic fines, some iron oxide staining on coarse grained sediments	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2				0		
3				0		
4					Fill, crushed concrete, dry, dusty with rounded fine gravel	
5				6.8	SILTY SAND with GRAVEL (SM): very dark gray (10YR 3/1), moist, 70% fine to coarse sand, 15% fine and coarse gravel, 15% low plasticity fines	
6				20		
7	KM-14-0809-7				wet, 20% fine and coarse gravel, trace wood debris	
8				45	SILTY SAND (SM): very dark gray (10YR 3/1), wet, 85% fine to coarse sand, 15% low plasticity fines, visible sheen	Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-14-0809-W collected.
9				206		
10				82		Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-15**
BORING LOCATION: Building 5	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/6/09 / DATE FINISHED: 8/6/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 7.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0					CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1				0	POORLY GRADED SAND with SILT and GRAVEL (SP-SM): black (N 2.5/), moist, 55% fine to coarse sand, 35% fine and coarse gravel, 10% non-plastic fines, contains burnt material	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2						
3				0		
4	KM-15-0809-4					
5				0	POORLY GRADED SAND (SP): dark gray (10YR 4/1), moist, 95% fine sand, 5% non-plastic fines	
6	KM-15-0809-6.5				wood chips and sawdust SANDY SILT (ML): gray (5G 5/1), moist, 65% fines, 30% fine sand, 5% fine gravel, low plasticity	
7				0	POORLY GRADED SAND (SP): dark grayish brown (10YR 4/2), wet, 95% fine to coarse sand, 5% non-plastic fines, some iron oxide staining on coarse grained sediments	
8						Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-15-0809-W collected.
9						
10						Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-16**
BORING LOCATION: Building 3	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/6/09 / DATE FINISHED: 8/6/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 9.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0					CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1				0	POORLY GRADED SAND with GRAVEL (SP): black (N 2.5/), moist, 75% medium to coarse sand, 20% fine gravel, 5% non-plastic fines, contains burnt brick fragments, some iron oxide staining on coarse grained sediments	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2						
3				0		
4	KM-16-0809-4					
5						
6				0		
7					WELL GRADED SAND (SW): dark brown (10YR 3/3), moist, 95% fine to coarse sand, 5% non-plastic fines, trace rusty weathering	
8	KM-16-0809-8			0		Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-16-0809-W collected.
9					▼ wet	
10						Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-17**
BORING LOCATION: Building 3	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 12/23/09 / DATE FINISHED: 12/23/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 8.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
1	KM-17-2.0-1209			0/0 (HS)	POORLY GRADED GRAVEL with SILT and SAND (GP-GM): very dark gray (10YR 3/1), moist, 60% fine gravel, 30% fine to coarse sand, 10% non-plastic fines crushed rock	
2					POORLY GRADED SAND (SP): dark brown (10YR 3/3), moist, 95% fine to coarse sand, 5% non-plastic fines	OVM= Photovac 2020i PID calibrated with 100 ppm isobutylene standard. Headspace (HS) readings collected in baggie.
3						
4				0		
5				0/0 (HS)		
6	KM-17-8.0-1209			0		
7						
8				0	wet	Stainless steel hydropunch sampler (0.010 slot) driven from 7.5 to 11.5'. Sleeve retracted 4 feet to expose screen from 7.5 to 11.5'. Groundwater sample KM-17-W-1209 collected.
9				0/0 (HS)		
10				0		
11						
12					Bottom of boring at 12.0 feet bgs. Borehole abandoned with hydrated bentonite chips.	
13						
14						
15						

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-18**
BORING LOCATION: Building 3	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 12/23/09 / DATE FINISHED: 12/23/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 8.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0	KM-18-4-1209			0	POORLY GRADED GRAVEL with SAND (GP): black (10YR 2/1), moist, 60% fine gravel, 35% fine to coarse sand, 5% non-plastic fines	
1				1.1/0.0 (HS)	blackened slag	
2				1.2	POORLY GRADED SAND (SP): very dark gray (10YR 3/1), moist, 95% fine to medium sand, 5% non-plastic fines	OVM= Photovac 2020i PID calibrated with 100 ppm isobutylene standard. Headspace (HS) readings collected in baggie.
3						
4				1.3		
5				2.2/0.1 (HS)	small wood piece, light sheen and odor	
6				1.9		
7						
8				0	wet	Stainless steel hydropunch sampler (0.010 slot) driven from 7.5 to 11.5'. Sleeve retracted 4 feet to expose screen from 7.5 to 11.5'. Groundwater sample KM-18-W-1209 collected.
9						
10				0/0 (HS)		
11				0		
12					Bottom of boring at 12.0 feet bgs. Borehole abandoned with hydrated bentonite chips.	
13						
14						
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-19**
BORING LOCATION: Building 3	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 12/23/09 / DATE FINISHED: 12/23/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 9.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 420M	DEPTH TO WATER (ft.) FIRST: 7.5 / COMPL.: NA
SAMPLING METHOD: Enviro-core sampling system [3' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0				1.1	POORLY GRADED SAND with GRAVEL (SP): very dark brown (10YR 2/2), moist, 80% fine to coarse sand, 15% fine gravel, 5% non-plastic fines	
1				2.4/10.2 (HS)		
2					SILT with SAND (ML): gray (N 5/), moist, 80% low plasticity fines, 20% fine sand, medium stiff, orange mottling, sand interbedded	OVM= Photovac 2020i PID calibrated with 100 ppm isobutylene standard. Headspace (HS) readings collected in baggie.
3	KM-19-4-1209					
4				31.1/52.1 (HS)		
5					POORLY GRADED SAND (SP): black (10YR 2/1), moist, 95% fine to coarse sand, 5% non-plastic fines, strong VOC-like odor	
6	KM-19-6.5-1209			131		
7				277/335 (HS)		
8					wet	Stainless steel hydropunch sampler (0.010 slot) driven from 7.5 to 11.5'. Sleeve retracted 4 feet to expose screen from 7.5 to 11.5'. Groundwater sample KM-19-W-1209 collected.
9					Bottom of boring at 9.0 feet bgs. Borehole abandoned with hydrated bentonite chips.	
10						
11						
12						
13						
14						
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-20**
BORING LOCATION: Building 3	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 12/23/09 / DATE FINISHED: 12/23/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 420M	DEPTH TO WATER (ft.) FIRST: 8.0 / COMPL.: NA
SAMPLING METHOD: Enviro-core sampling system [3' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

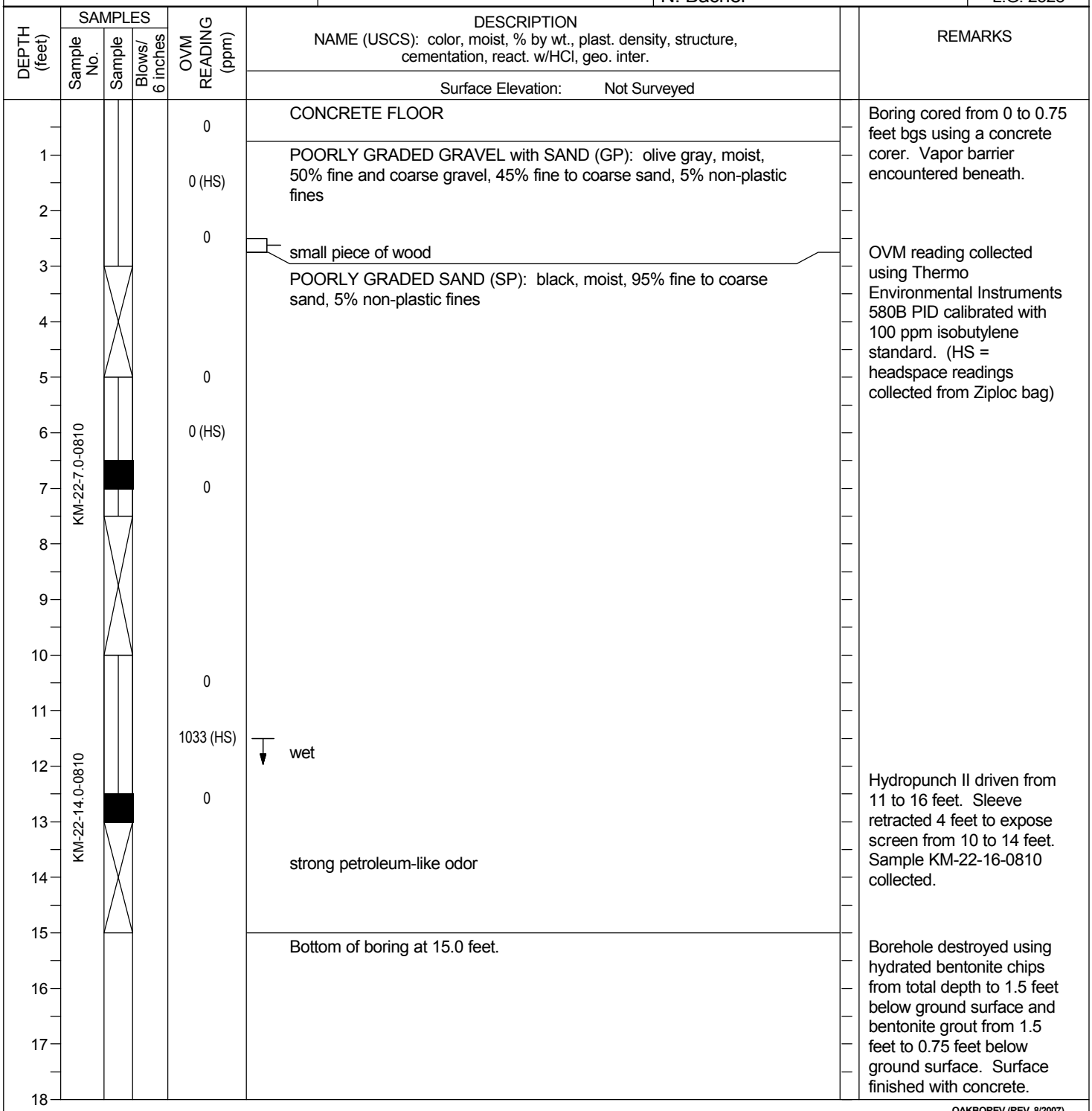
DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0	KM-20-3-1209			0	POORLY GRADED SAND with GRAVEL (SP): very dark brown (10YR 2/2), moist, 75% fine to coarse sand, 20% fine and coarse gravel, 5% non-plastic fines, trace pieces of slag	
1				2.1/0 (HS)		
2						OVM= Photovac 2020i PID calibrated with 100 ppm isobutylene standard. Headspace (HS) readings collected in baggie.
3				0.4	SILT (ML): gray (10YR 5/1), moist, 90% fines, 10% fine sand, low plasticity, medium stiff, orange mottling	
4				0.0/0.6 (HS)		
5					POORLY GRADED SAND (SP): dark reddish brown (5YR 2.5/2), moist, 95% fine to coarse sand, 5% non-plastic fines	
6	KM-20-7-1209			0		
7				0/0 (HS)		
8					black (5YR 2.5/1), wet	Stainless steel hydropunch sampler (0.010 slot) driven from 7.5 to 11.5'. Sleeve retracted 4 feet to expose screen from 7.5 to 11.5'. Groundwater sample KM-20-W-1209 collected.
9						
10				0/0 (HS)	scattered fine gravel <5%	
11						
12					Bottom of boring at 12.0 feet. Borehole abandoned with hydrated bentonite chips.	
13						
14						
15						

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-21**
BORING LOCATION: Building 4	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 12/23/09 / DATE FINISHED: 12/23/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 9.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 420M	DEPTH TO WATER (ft.) FIRST: 8.0 / COMPL.: NA
SAMPLING METHOD: Enviro-core sampling system [3' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
1	KM-21-3-1209			0	POORLY GRADED SAND with GRAVEL (SP): black (N 2.5/), moist, 65% fine to coarse sand, 30% fine gravel, 5% non-plastic fines, trace glassy fragments	
2						OVM= Photovac 2020i PID calibrated with 100 ppm isobutylene standard. Headspace (HS) readings collected in baggie.
3					orange staining	
4				0/0 (HS)	SILT (ML): gray (N 5/), moist, 95% fines, 5% fine sand, trace fine gravel, low plasticity, medium stiff, orange mottling, black streaking	
5						
6				0		
7	KM-21-7-1209				POORLY GRADED SAND (SP): very dark gray (N 3/), moist, 95% fine to coarse sand, 5% non-plastic fines, slight orange staining	
8				0/0 (HS)		Stainless steel hydropunch sampler (0.010 slot) driven from 7.5 to 11.5'. Sleeve retracted 4 feet to expose screen from 7.5 to 11.5'. Groundwater sample KM-21-W-1209 collected.
9					Bottom of boring at 9.0 feet. Borehole abandoned with hydrated bentonite chips.	
10						
11						
12						
13						
14						
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-22**
BORING LOCATION: South Warehouse	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/23/10 / DATE FINISHED: 8/23/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7730D	DEPTH TO WATER (ft.) FIRST: 11.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528



PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-23**
BORING LOCATION: South Warehouse	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/23/10 / DATE FINISHED: 8/23/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7730D	DEPTH TO WATER (ft.) FIRST: 11.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0				0	CONCRETE FLOOR	Boring cored from 0 to 0.75 feet bgs using a concrete corer. Vapor barrier encountered beneath.
1				0 (HS)	POORLY GRADED GRAVEL with SILT and SAND (GP-GM): olive gray, dry, 50% fine and coarse gravel, 40% medium to coarse sand, 10% non-plastic fines	
2				0		
3						OVM reading collected using Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard. (HS = headspace readings collected from Ziploc bag)
4						
5						
6				0	crushed yellow brick	
				0 (HS)	silty sand with blackened, burned appearance	
7					SANDY SILT with fine GRAVEL (ML), contains red brick pieces	
8	KM-23-9-0810			0	POORLY GRADED SAND (SP): black, moist, 95% fine to medium sand, 5% non-plastic fines	
9						
10						
11	KM-23-11-0810			0		
12				1.0 (HS)	wet	
13				0		Hydropunch II driven from 11 to 16 feet. Sleeve retracted 4 feet to expose screen from 10 to 14 feet. Sample KM-23-16-0810 collected.
14						
15					Bottom of boring at 15.0 feet.	Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
16						
17						
18						

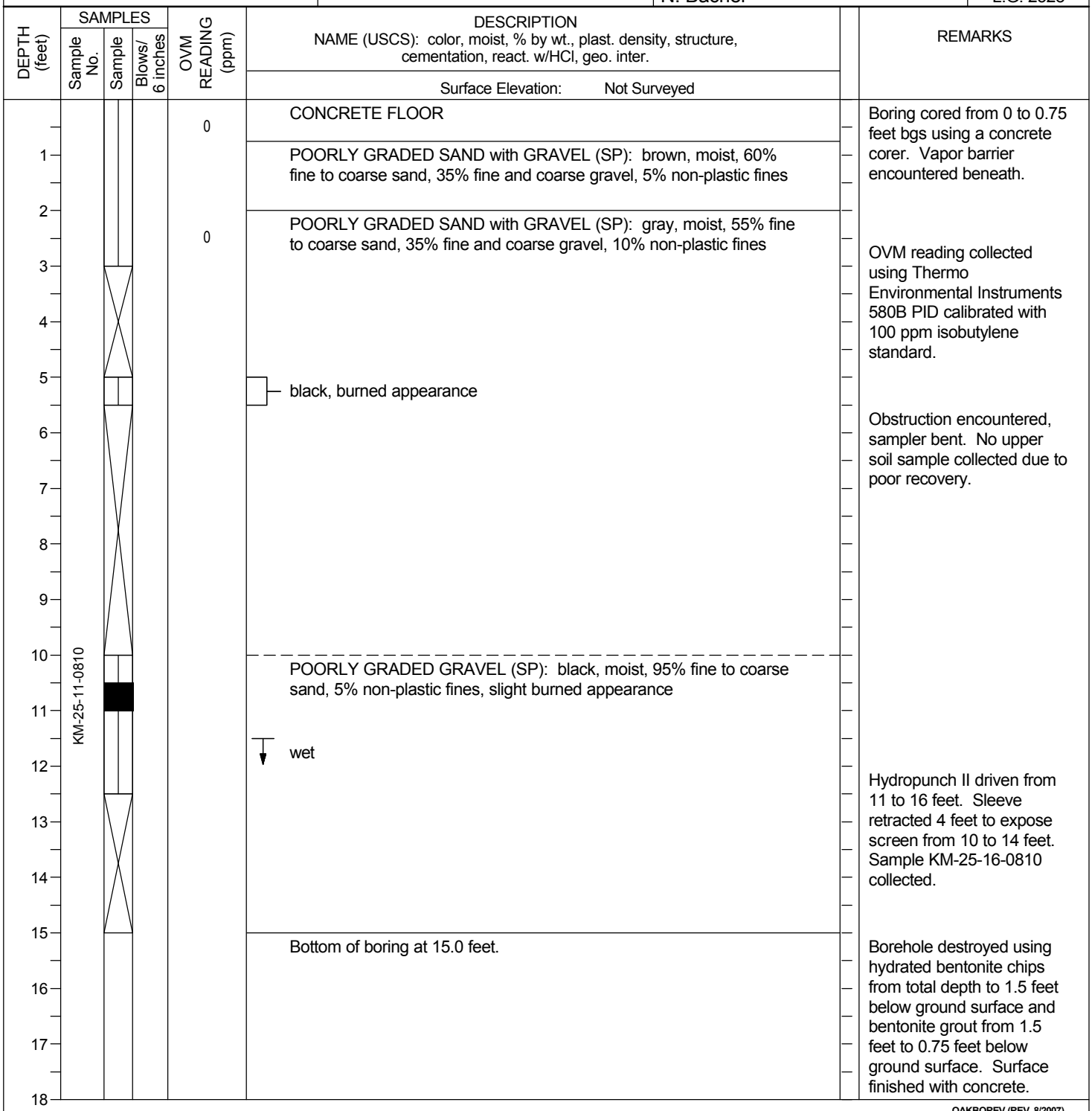
OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-24**
BORING LOCATION: South Warehouse	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/23/10 / DATE FINISHED: 8/23/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7730D	DEPTH TO WATER (ft.) FIRST: 11.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0				0	CONCRETE FLOOR	Boring cored from 0 to 0.75 feet bgs using a concrete corer. Vapor barrier encountered beneath.
1					POORLY GRADED GRAVEL with SILT and SAND (GP-GM): light brown, moist, 50% fine and coarse gravel, 40% fine to coarse sand, 10% non-plastic fines	
2				0		
3						OVM reading collected using Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard.
4						
5						
6					POORLY GRADED SAND with GRAVEL (SP): black, moist, 65% fine to coarse sand, 30% fine and coarse gravel, 5% non-plastic fines, contains brick and coal with burnt appearance, small red brick pieces at base of unit	
7	KM-24-7.5-0810					
8					POORLY GRADED SAND (SP): very dark brown, moist, 95% fine to medium sand, 5% non-plastic fines	
9						
10	KM-24-11-0810					
11						
12					wet, reddish brown	
13						
14						
15					Bottom of boring at 15.0 feet.	Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
16						
17						
18						

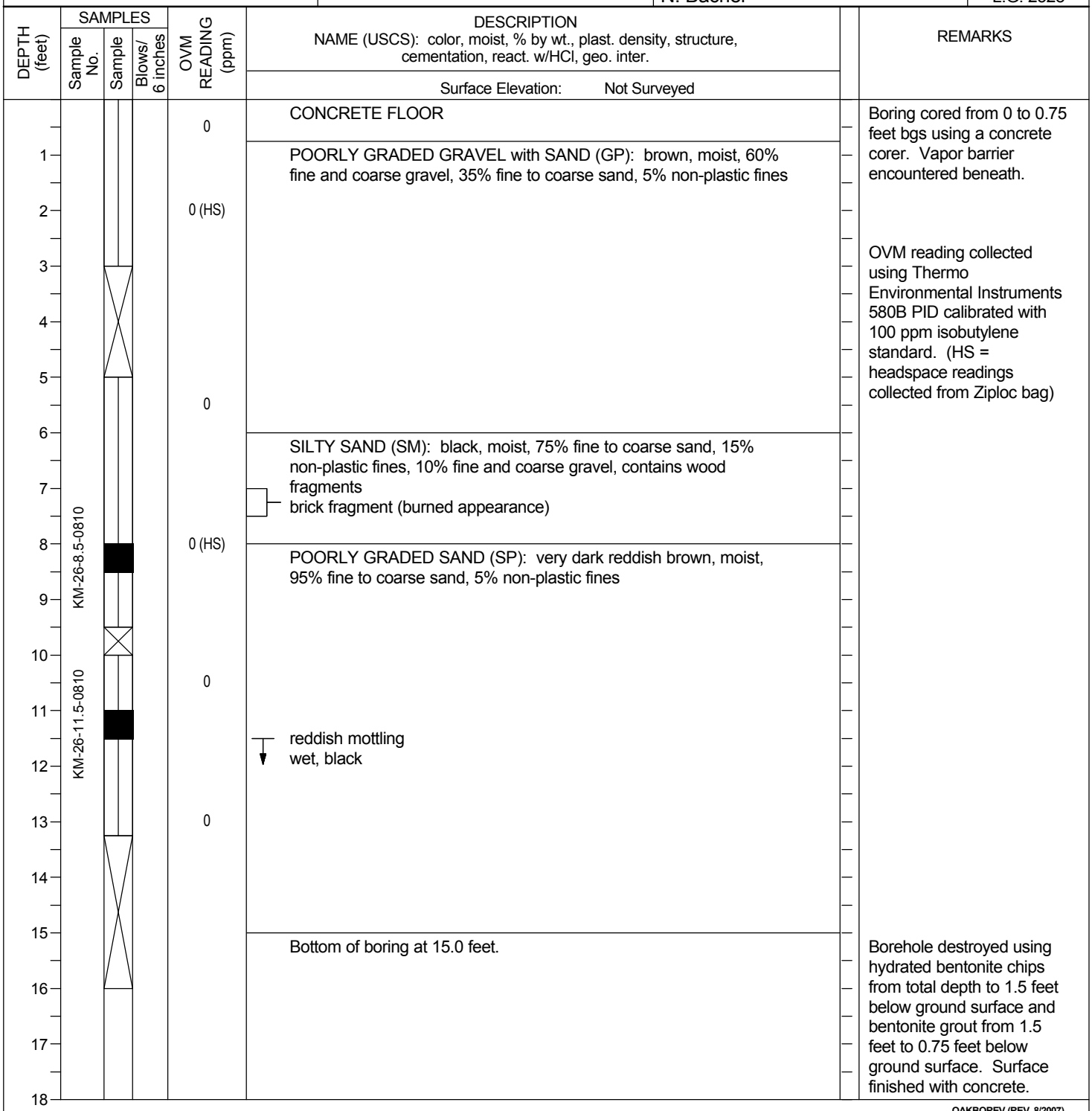
OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-25**
BORING LOCATION: South Warehouse	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/23/10 / DATE FINISHED: 8/23/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7730D	DEPTH TO WATER (ft.) FIRST: 11.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528



OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-26**
BORING LOCATION: South Warehouse	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/23/10 / DATE FINISHED: 8/23/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7730D	DEPTH TO WATER (ft.) FIRST: 11.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

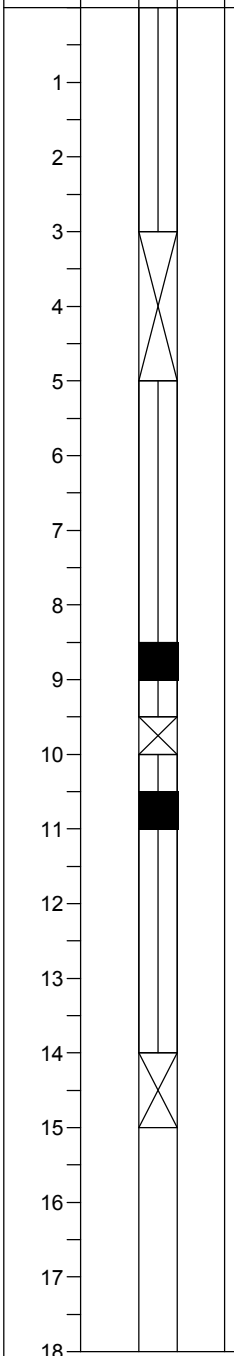


PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-27**
BORING LOCATION: South Warehouse	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/24/10 / DATE FINISHED: 8/24/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7730D	DEPTH TO WATER (ft.) FIRST: 11.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0				0	CONCRETE FLOOR	Boring cored from 0 to 0.75 feet bgs using a concrete corer. Vapor barrier encountered beneath.
1				0 (HS)	POORLY GRADED SAND with GRAVEL (SP): brownish gray, dry, 60% fine to coarse sand, 35% fine and coarse gravel, 5% non-plastic fines	
2				0		
3						OVM reading collected using Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard. (HS = headspace readings collected from Ziploc bag)
4						
5				0		
6						
7				0	POORLY GRADED SAND with SILT and GRAVEL (SP-SM): black, moist, 75% fine to coarse sand, 15% fine and coarse gravel, 10% non-plastic fines	
8					POORLY GRADED SAND (SP): black, moist, 95% fine to coarse sand, 5% non-plastic fines	
9						
10				0		
11						
12					wet, sand grading from medium to coarse	
13				0	orange mottling	Hydropunch II driven from 11 to 16 feet. Sleeve retracted 4 feet to expose screen from 10 to 14 feet. Sample KM-27-16-0810 collected.
14						
15					Bottom of boring at 15.0 feet.	Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
16						
17						
18						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-28**
BORING LOCATION: South Warehouse	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/24/10 / DATE FINISHED: 8/24/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7730D	DEPTH TO WATER (ft.) FIRST: 11.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528



DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0				0	CONCRETE FLOOR	Boring cored from 0 to 0.75 feet bgs using a concrete corer. Vapor barrier encountered beneath.
1				0 (HS)	POORLY GRADED SAND with GRAVEL (SP): brown, dry, 65% fine to coarse sand, 30% fine and coarse gravel, 5% non-plastic fines	
2				0		
3						OVM reading collected using Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard. (HS = headspace readings collected from Ziploc bag)
4						
5				0		
6				0 (HS)		
7				0	POORLY GRADED SAND with SILT and GRAVEL (SP-SM): black, moist, 75% fine to coarse sand, 15% fine and coarse gravel, 10% non-plastic fines, brick fragments	
8					POORLY GRADED SAND (SP): very dark brown, moist, 95% fine to coarse sand, 5% non-plastic fines	
9				0		
10				0		
11				0 (HS)	wet	
12				0		
13				0		
14						
15					Bottom of boring at 15.0 feet.	Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
16						
17						
18						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-29**
BORING LOCATION: South Warehouse	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/24/10 / DATE FINISHED: 8/24/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7730D	DEPTH TO WATER (ft.) FIRST: 11.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0				0	CONCRETE FLOOR	Boring cored from 0 to 0.75 feet bgs using a concrete corer. Vapor barrier encountered beneath.
1				0 (HS)	POORLY GRADED SAND with GRAVEL (SP): brown, dry, 60% fine to coarse sand, 35% fine and coarse gravel, 5% non-plastic fines	
2				0		
3						OVM reading collected using Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard. (HS = headspace readings collected from Ziploc bag)
4						
5				0		
6				0 (HS)		
7	KM-29-8-0810				POORLY GRADED SAND with SILT and GRAVEL (SP-SM): brown, moist, 60% fine to coarse sand, 30% fine and coarse gravel, 10% non-plastic fines, scattered material with burned appearance	
8				0	POORLY GRADED SAND (SP): very dark brown, moist, 95% fine to medium sand, 5% non-plastic fines	
9						
10				0		
11	KM-29-11-0810			0 (HS)	wet	
12				0		Hydropunch II driven from 11 to 16 feet. Sleeve retracted 4 feet to expose screen from 10 to 14 feet. Sample KM-29-16-0810 collected.
13						
14						
15					Bottom of boring at 15.0 feet.	Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
16						
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OAKBOREV (REV. 8/2007)

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-30**
BORING LOCATION: Inside Building 5	ELEVATION AND DATUM: Not Surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/23/11 / DATE FINISHED: 3/23/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 5.25 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
					CONCRETE FLOOR	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1				7.0	WELL GRADED GRAVEL with SILT and SAND (GW-GM): very dark gray (GLEY 1 3/1), dry, 50% fine to coarse gravel, 40% fine to coarse sand, 10% non-plastic fines, strong odor	
2	KM-30-0311-2			310		
3						OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), dry, 90% fine to coarse sand, 10% non-plastic fines, scattered material with burned appearance, wood debris, odor	
5	KM-30-0311-5			134	▼ wet	
6					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to medium sand, 10% non-plastic fines, slight odor	
7				32.1		
8						
9				21.2		
10						Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
11				13.6		
12					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	
13						Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 5 to 10 feet. Sample KM-30-0311-W collected.
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OAKBOREV (REV. 8/2007)

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-31**
BORING LOCATION: Inside Building 3	ELEVATION AND DATUM: Not Surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/22/11 / DATE FINISHED: 3/22/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 5.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0					CONCRETE FLOOR	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1				0.6	WELL GRADED SAND with SILT and GRAVEL (SW-SM): black (2.5Y 2.5/1), moist, 50% fine to coarse sand, 40% fine to coarse gravel, 10% non-plastic fines	
2	KM-31-0311-3					
3						OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to coarse sand, 10% non-plastic fines	
5				0.0	▼ wet	
6				0.0		
7						
8						
9				0.0		
10						
11				0.0		Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
12					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	
13						Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 5 to 10 feet. Sample KM-31-0311-W collected.
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PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-32**	
BORING LOCATION: Inside Building 4	ELEVATION AND DATUM: Not Surveyed; datum is ground surface	
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/22/11	DATE FINISHED: 3/22/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 4.0	COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: S. Mikelich	
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher	REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0					CONCRETE FLOOR	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1				0.0	WELL GRADED GRAVEL with SILT and SAND (GW-GM): very dark gray (GLEY 1 3/1), dry, 50% fine to coarse gravel, 40% fine to coarse sand, 10% non-plastic fines	
2	KM-32-0311-3					
3						OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), dry, 90% fine to coarse sand, 10% non-plastic fines, scattered material with burned appearance, wood debris	
5				0.0		
6					▼ wet POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to medium sand, 10% non-plastic fines	Poor recovery from 0'-4' and 4'-8' due to fill debris and wood scraps.
7						
8						
9				0.0		
10						Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
11						
12					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	
13						Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 5 to 10 feet. Sample KM-32-0311-W collected.
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PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-33**
BORING LOCATION: Inside Building 7	ELEVATION AND DATUM: Not Surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/22/11 / DATE FINISHED: 3/22/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 4.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0					CONCRETE FLOOR and cobbles	Boring cored from 0 to 3.8 feet bgs using a concrete corer.
4	KM-33-0311-4			548	SILTY SAND with GRAVEL (SM): black (2.5Y 2.5/1), moist, 60% fine to coarse sand, 20% fine to medium gravel, 20% slightly plastic fines, odor	OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
5					wet	
6				528	POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), wet, 90% fine to coarse sand, 10% non-plastic fines, strong odor	
10				486		Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
11				42.9		
12					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	
13						Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 4 to 9 feet. Sample KM-33-0311-W collected.
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PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-34**	
BORING LOCATION: Former UST Area	ELEVATION AND DATUM: Not Surveyed; datum is ground surface	
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/21/11	DATE FINISHED: 3/21/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 4.5	COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: S. Mikelich	
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher	REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0				0.0		
1				0.0	SILTY GRAVEL with SAND (GM): olive brown (2.5Y 4/3), moist to wet, 50% very fine to coarse gravel, 30% fine to coarse sand, 20% non-plastic fines	
2	KM-34-0311-2					
3						OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4	KM-34-0311-4			0.0		
5					▼ wet	
6				0.0		
7					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 4/3), wet, 90% fine to coarse sand, 10% non-plastic fines	
8						
9				0.0		Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with gravel.
10						
11				0.0		
12					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	
13						Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 4 to 9 feet. Sample KM-34-0311-W collected.
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OAKBOREV (REV. 8/2007)

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-35**
BORING LOCATION: Inside South Warehouse	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/22/11 / DATE FINISHED: 3/22/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 7.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0					CONCRETE FLOOR	Boring cored from 0 to 1.5 feet bgs using a concrete corer. Vapor barrier encountered at 0.5' beneath floor with cobbles and gravel to 1.5'. OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
2	KM-35-0311-2			0.0	WELL GRADED GRAVEL with SILT and SAND (GW-GM): grayish brown (2.5Y 5/2), moist, 60% fine to coarse gravel, 30% fine to coarse sand, 10% non-plastic fines,	
4				0.0		
6	KM-35-0311-6.5			13.7	Scattered material with burned appearance	
7				60.1	wet	
8					POORLY GRADED SAND with SILT (SP-SM): very dark brown, (2.5Y 2.5/1), wet, 90% fine to medium sand, 10% non-plastic fines	
10				20.0		Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
12				35.8		
14				15.0		Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 7 to 12 feet. Sample KM-35-0311-W collected.
16				0.0		
16					Bottom of boring at 16.0 feet; cannot drill deeper due to flowing sands	
18						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-36**
BORING LOCATION: Parking Lot	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/21/11 / DATE FINISHED: 3/21/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 6.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0					ASPHALT	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1					WELL GRADED GRAVEL with SILT and SAND (GW-GM): very dark gray (5Y 3/1), moist, 50% fine to coarse gravel, 40% fine to coarse sand, 10% non-plastic fines, odor	
2	KM-36-0311-2			145	Thin lense composed of organics and wood debris	
3					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to medium sand, 10% non-plastic fines, odor.	OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4						
5	KM-36-0311-6			266		
6					wet	
7				1944		
8						
9				1848		
10						Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
11				17		
12					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 5 to 10 feet. Sample KM-30-0311-W collected.
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OAKBOREV (REV. 8/2007)

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-37**	
BORING LOCATION: Parking Lot	ELEVATION AND DATUM: Not surveyed; datum is ground surface	
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/21/11	DATE FINISHED: 3/21/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 6.0	COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: S. Mikelich	
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher	REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0					ASPHALT	
1					WELL GRADED GRAVEL with SAND (GW): very dark greenish gray (GLEY 1 3/5GY), moist, 55% fine to coarse gravel, 45% fine and coarse sand	
2	KM-37-0311-2			29.8	POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist, 90% fine to medium sand, 10% non-plastic fines	
3						OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to course sand, 10% non-plastic fines, strong odor	
5	KM-37-0311-5			165.8		
6				1354	▼ wet	
7						
8						
9						
10				1411		Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with asphalt.
11						
12				641.5	Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	
13						Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 4 to 9 feet. Sample KM-37-0311-W collected.
14						
15						
16						
17						
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PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-38**
BORING LOCATION: Inside Building 8	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/23/11 / DATE FINISHED: 3/23/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540M (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 5.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [3' x 1.5"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0					CONCRETE FLOOR	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-38-0311-2			0.0	POORLY GRADED SAND (SP): olive brown (2.5Y 4/3), moist, 90% fine to coarse sand, 5% non-plastic fines, 5% fine to course gravel	
2					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to coarse sand, 10% non-plastic fines	
3				0.0		OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4				0.0		
5	KM-38-0311-5					
6					wet	
7				0.6		
8				381		
9					very strong odor	
10				20.3		
11				69.4		Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
12				811	very strong odor	
13					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	
14						
15						
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17						
18						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-39**
BORING LOCATION: Inside Building 8	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/24/11 / DATE FINISHED: 3/24/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 5.3 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
1					Scale pit- no recovery	OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
2	KM-39-0311-2.5 KM-39-0311-2.5-D				Pit bottom: layers of old resins and paint.	
3				1972	Scattered wood and burned debris	Duplicate soil sample taken at 2.5 feet
4	KM-39-0311-5			1144	POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), dry to wet, 90% fine to coarse sand, 10% non-plastic fines, strong odor	
5					wet	
6				1283		
7						
8				1504		
9						Borehole destroyed using hydrated bentonite chips from total depth to 3 feet below ground surface and sand from 3 to 2 feet below ground surface.
10				1367		
11						
12					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	
13						Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 5 to 10 feet. Sample KM-39-0311-W collected.
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PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-40**
BORING LOCATION: Inside Building 10	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/21/11 / DATE FINISHED: 3/21/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 6.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0				28.6	CONCRETE FLOOR	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-40-0311-2				POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to medium sand, 10% non-plastic fines, odor	
2				314		
3						OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4	KM-40-0311-4.5					
5				1157		
6					▼ wet	
7				1596	POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), wet, 90% fine to coarse sand, 10% non-plastic fines, very strong odor	
8						
9				583		
10				1308		Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
11				1698		
12					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	
13						
14						
15						
16						
17						
18						

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-41**
BORING LOCATION: Inside Building 8	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/24/11 / DATE FINISHED: 3/24/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 4.8 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0					Scale pit- no recovery	
3	KM-41-0311-3			1362	SILTY SAND with GRAVEL (SM): yellowish brown (10YR 5/4), moist, 45% fine to coarse sand, 40% fine to course gravel, 15% non-plastic fines, paint chips, odor	OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4	KM-41-0311-W			1957	black (10YR 2/1), burned lense, chared wood and debris	
5				1600	wet POORLY GRADED SAND (SP): black (2.5Y 2.5/1), moist to wet, 90% fine to course sand, 10% non-plastic fines, odor	
8				1707		
10				1679		Borehole destroyed using hydrated bentonite chips from total depth to 3.5 feet below ground surface and sand from 3.5 to 2.7 feet below ground surface.
11					Bottom of boring at 11.0 feet; cannot drill deeper due to flowing sands	
13						Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 5 to 10 feet. Sample KM-41-0311-W collected.
18						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-42**
BORING LOCATION: Inside Building 8	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/24/11 / DATE FINISHED: 3/24/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 5.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

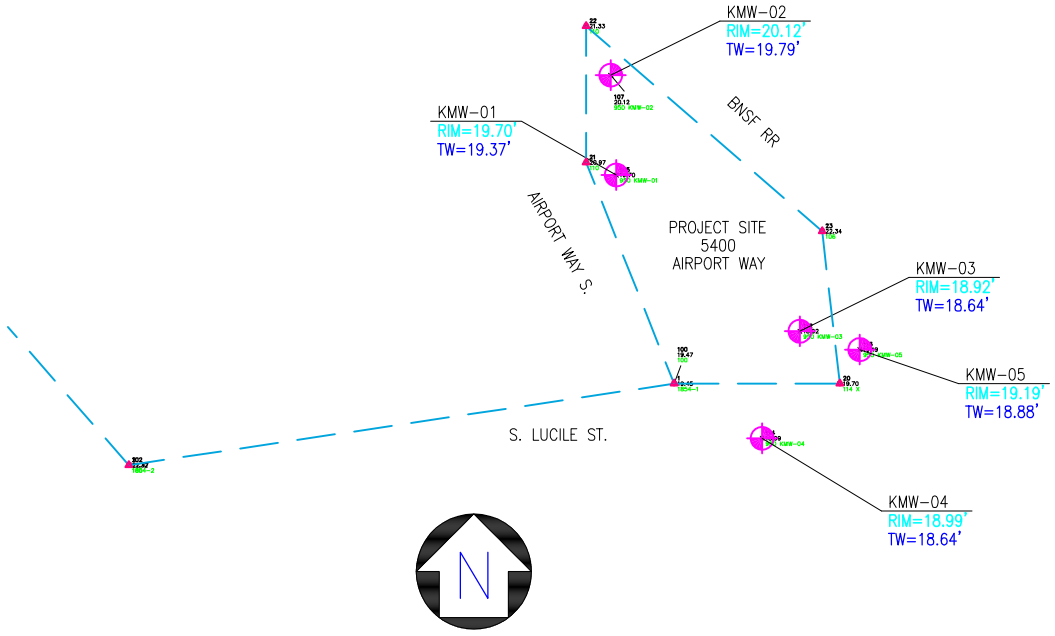
DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0					CONCRETE FLOOR	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1					SANDY SILT with GRAVEL (SM): greenish gray (GLEY 1 4/10Y), moist, 45% fine to medium sand, 40% fine to course gravel, 15% non-plastic fines, odor	
2	KM-42-0311-2			715	SAND and SILT (SA-SJ): black (10YR 2/1), moist, 50% fine sand, 50% non-plastic fines, odor	
3				2421		OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to coarse sand, 10% non-plastic fines, odor	
5	KM-42-0311-5			2704	▼ wet	
6				373		
7						
8						
9				374		
10				958		
11				626		Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
12					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	
13						
14						
15						
16						
17						
18						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-43**
BORING LOCATION: Inside Building 8	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/23/11 / DATE FINISHED: 3/23/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 7.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 5.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [3' x 1.5"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0					CONCRETE FLOOR	Boring cored from 0 to 0.5 feet bgs using a concrete corer. Very poor recovery.
1	KM-43-0311-2				POORLY GRADED GRAVEL with SILT and SAND (GP-GM): light olive brown (2.5Y 5/3), dry, 50% fine gravel, 40% fine to coarse sand, 10% non-plastic fines	
2				0.0		
3				72.8		OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4						
5						
6					▼ wet SAND and SILT (SA-SJ): black (2.5Y 2.5/1), moist to wet, 50% fine sand, 50% non-plastic fines, strong odor	
7				567	Refusal at 7.0 feet	Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

5400 AIRPORT WAY, SEATTLE WASHINGTON
MONITOR WELL SURVEY



SCALE 1"=200'

HORIZONTAL DATUM – WELL COORDINATES PUBLISHED IN THE TABLES ARE WASHINGTON COORDINATE SYSTEM, NORTH ZONE NAD 83(91), US FEET.

VERTICAL DATUM – ELEVATIONS SHOWN HEREON ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM 1988, NAVD88.

MONITOR WELLS LOCATED MAY 12, 2011

* – TO CONVERT ELEVATIONS SHOWN HEREON TO NGVD29 ELEVATIONS, PLEASE SUBTRACT 3.59' FEET.

MONITOR WELL NO.	STAMPED	NORTH	EAST	RIM ELEV. OF CASE	TOP OF WELL ELEV.
KMW-01		205,697.8	1,272,963.2	19.70	19.37
KMW-02		205,801.8	1,272,957.4	20.12	19.79
KMW-03		205,535.1	1,273,154.5	18.92	18.64
KMW-04		205,423.6	1,273,115.1	18.99	18.64
KMW-05		205,516.0	1,273,217.0	19.19	18.88

DUANE HARTMAN & ASSOCIATES, INC.
Surveyors
16928 WOODINVILLE-REDMOND ROAD, B-107 (425) 483-5355
WOODINVILLE, WASHINGTON 98072 FAX (425) 483-4650

SURVEY FOR
AMEX GEOMATRIX INC.

CHECKED BY: DAH DATE: 05.13.2011

DRAWING NAME: 5400 MW.dwg

DRAWN BY: AAC DATE: 05.13.2011 PAGE 1 OF 1

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-1**
BORING LOCATION: South parking lot	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/5/09 / DATE FINISHED: 8/5/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 7.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0					ASPHALT	
1	KM-1-0809-2			0	POORLY GRADED SAND with SILT and GRAVEL (SP-SM): brown (10YR 4/3), moist, 75% fine to coarse sand, 15% fine gravel, 10% non-plastic fines, contains brick fragments	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2						
3					SILTY SAND with GRAVEL (SM): black (N 2.5/), moist, 65% fine to coarse sand, 20% low plasticity fines, 15% fine gravel	
4					crushed rock with crushed red brick	
5	KM-1-0809-6			0	POORLY GRADED SAND (SP): very dark grayish brown (10YR 3/2), moist, 95% fine to coarse sand, 5% non-plastic fines	
6						
7				0	wet	
8						
9				0		
10						Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-1-0809-W collected.
11						
12						Soil not logged from 10 to 14'.
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-2**
BORING LOCATION: South parking lot	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/5/09 / DATE FINISHED: 8/5/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 8.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0				0	ASPHALT	
1	KM-2-0809-2				POORLY GRADED SAND (SP): very dark brown (10YR 2/2), moist, 85% fine to coarse sand, 10% fine gravel, 5% non-plastic fines	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2				0		
3						
4	KM-2-0809-4.5					
5				0		
6				0	WELL GRADED GRAVEL (GW): gray (7.5YR 5/1), moist, 100% fine gravel, subrounded	
7						
8					POORLY GRADED SAND (SP): very dark brown (10YR 2/2), wet, 95% fine to coarse sand, 5% non-plastic fines	Hydropunch II driven from 10 to 12'. Sleeve retracted 4 feet to expose screen from 8 to 12'. Sample KM-2-0809-W collected.
9				0		
10				0		
11						Boring not logged from 10-12'.
12					Bottom of boring at 12.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
13						
14						
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-3**
BORING LOCATION: Airport Way S.	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/7/09 / DATE FINISHED: 8/7/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 0.5 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) — FIRST: NA / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [3' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
		X			Surface Elevation: Not Surveyed	
					ASPHALT	
1					Refusal at 0.5 feet, due to concrete under asphalt.	Boring backfilled with asphalt patch.
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-5**
BORING LOCATION: Building 10 loading dock	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/7/09 / DATE FINISHED: 8/7/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 7.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0					Concrete	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1				0	POORLY GRADED SAND with SILT (SP-SM): very dark brown (10YR 2/2), moist, 60% fine to coarse sand, 30% wood debris, 10% non-plastic fines brick fragments	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2	KM-5-0809-2.5			5.4	black (N 2.5/), contains burned debris with charcoal like appearance	
3					POORLY GRADED SAND (SP): very dark gray (10YR 3/1), moist, 95% fine to coarse sand, 5% non-plastic fines	
4						
5				43		
6	KM-5-0809-6.5			185		
7				615	wet	
				915		
8				1188		Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-5-0809-W collected.
9						
				95		
10				29		Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-6**
BORING LOCATION: Building 10 loading dock	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/7/09 / DATE FINISHED: 8/7/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 5.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0				23	CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-6-0809-2				POORLY GRADED SAND (SP): dark grayish brown (10YR 4/2), damp, 95% fine to coarse sand, 5% fines, some Iron oxide staining on coarse grained sediment	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2				144		
3				688		
4	KM-6-0809-4				very dark gray (10YR 3/1)	
5				595		
6				158	wet	
7				25		
8						Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-6-0809-W collected.
9						
10						Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-7**
BORING LOCATION: Building 10	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/7/09 / DATE FINISHED: 8/7/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 8.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
					CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-7-0809-2			1119	SILT with SAND (ML): black (N 2.5/), moist, 80% fines, 20% fine sand, low plasticity, charcoal-like appearance	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2				1073	POORLY GRADED SAND (SP): black (N 2.5/), moist, 85% fine to coarse sand, 10% fine and coarse gravel, 5% non-plastic fines	
3				28		
4					rusty colored weathering	
5				512	WELL GRADED SAND with SILT (SW-SM): dark gray (10YR 4/1), moist, 90% fine to coarse sand, 10% low-plasticity fines	
6				47		
7	KM-7-0809-7			293		
				398		
8					wet	Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-7-0809-W collected.
9						
10						Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-8**
BORING LOCATION: Building 10	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/7/09 / DATE FINISHED: 8/7/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 8.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0					Concrete	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-8-0809-2			0	SILT with SAND (ML): black (N 2.5/), moist, 80% fines, 20% fine sand, low plasticity, burned charcoal like appearance	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2				0		
3				0		
4				321		
5				1327	WELL GRADED SAND (SW): dark brown (10YR 3/3), moist, 95% fine to coarse sand, 5% non-plastic fines	
6				1859		
7	KM-8-0809-7			1241		
8				1237	▼ wet, petroleum-like sheen	Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-8-0809-W collected.
9						
10						Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-9**
BORING LOCATION: Building 8 West	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/5/09 / DATE FINISHED: 8/5/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 7.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0				0	POORLY GRADED SAND (SP): dark brown (10YR 3/3), moist, 90% fine to coarse sand, 5% fine gravel, 5% non-plastic fines	Boring cored from 0 to 0.5 feet bgs using a concrete corer. OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
1	KM-9-0809-2			0		
2						
3						
4						
5				0		
6				12		
7	KM-9-0809-7				▼ wet, slight yellowish staining, slight sheen on soil, moderate odor	
8				14		Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-8-0809-W collected.
9				15		
10						Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-10**
BORING LOCATION: Building 7	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/6/09 / DATE FINISHED: 8/6/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 8.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [3' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0					CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-10-0809-2			348 1040	POORLY GRADED SAND (SP): dark brown (10YR 3/3), moist, 85% fine to coarse sand, 10% fine and coarse gravel, 5% non-plastic fines, wood fragments in shoe	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2					POORLY GRADED SAND (SP): dark brown (10YR 3/3), moist, 95% fine to coarse sand, 5% non-plastic fines, contains wood debris	
3				564		
4				167		
5	KM-10-0809-5.5			171		
6				380		
7				175		
8				422	▼ wet, dark gray	Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-10-0809-W collected.
9				412 22		
10						Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-11**
BORING LOCATION: Building 7	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/6/09 / DATE FINISHED: 8/6/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 8.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [3' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0					CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-11-0809-2.5			0	POORLY GRADED SAND (SP): brown (10YR 5/3), moist, 95% fine to coarse sand, 5% non-plastic fines 90% fine to coarse sand, 5% fine and coarse gravel, 5% non-plastic fines, possibly burnt debris, charcoal-like streak	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2						
3				0	POORLY GRADED SAND (SP): dark brown (10YR 3/3), moist, 95% fine to coarse sand, 5% non-plastic fines	
4				0		
5				0		
6				0		
7	KM-11-0809-7			0		
8				0	wet	Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-11-0809-W collected.
9						
10				0	rusty colored weathering	Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-12**
BORING LOCATION: Building 9 loading dock	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/7/09 / DATE FINISHED: 8/7/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 5.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0				0	CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-12-0809-2			0	POORLY GRADED SAND (SP): very dark grayish brown (10YR 4/2), moist, 95% fine to coarse sand, 5% non-plastic fines	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2						
3				0	moist, yellowish brown (10YR 5/4), some iron oxide staining on coarse grained sediment	
4						
5	KM-12-0809-5			0		
					wet	
6				11.3	fine well graded sand	
7				0	dark gray (10YR 4/1)	
8				0		Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-12-0809-W collected.
9				0		
10				0		Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-13**
BORING LOCATION: Building 12	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/6/09 / DATE FINISHED: 8/6/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 2.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0				0	CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-13-0809-2				POORLY GRADED SAND with GRAVEL (SP): brown (10YR 4/3), moist, 80% fine to coarse sand, 15% fine and coarse gravel, 5% non-plastic fines	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2				0	Boring refusal at 2.0 feet, due to concrete.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-14**
BORING LOCATION: Building 5A	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/6/09 / DATE FINISHED: 8/6/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 7.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0					CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-14-0809-2			0	POORLY GRADED SAND (SP): dark brown (10YR 3/3), moist, 85% fine to coarse sand, 10% fine angular gravel, 5% non-plastic fines, some iron oxide staining on coarse grained sediments	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2				0		
3				0		
4					Fill, crushed concrete, dry, dusty with rounded fine gravel	
5				6.8	SILTY SAND with GRAVEL (SM): very dark gray (10YR 3/1), moist, 70% fine to coarse sand, 15% fine and coarse gravel, 15% low plasticity fines	
6				20		
7	KM-14-0809-7				wet, 20% fine and coarse gravel, trace wood debris	
8				45	SILTY SAND (SM): very dark gray (10YR 3/1), wet, 85% fine to coarse sand, 15% low plasticity fines, visible sheen	Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-14-0809-W collected.
9				206		
10				82		Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-15**
BORING LOCATION: Building 5	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/6/09 / DATE FINISHED: 8/6/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 7.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0					CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1				0	POORLY GRADED SAND with SILT and GRAVEL (SP-SM): black (N 2.5/), moist, 55% fine to coarse sand, 35% fine and coarse gravel, 10% non-plastic fines, contains burnt material	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2						
3				0		
4	KM-15-0809-4					
5				0	POORLY GRADED SAND (SP): dark gray (10YR 4/1), moist, 95% fine sand, 5% non-plastic fines	
6	KM-15-0809-6.5				wood chips and sawdust SANDY SILT (ML): gray (5G 5/1), moist, 65% fines, 30% fine sand, 5% fine gravel, low plasticity	
7				0	POORLY GRADED SAND (SP): dark grayish brown (10YR 4/2), wet, 95% fine to coarse sand, 5% non-plastic fines, some iron oxide staining on coarse grained sediments	
8						Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-15-0809-W collected.
9						
10						Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-16**
BORING LOCATION: Building 3	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/6/09 / DATE FINISHED: 8/6/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 9.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0					CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1				0	POORLY GRADED SAND with GRAVEL (SP): black (N 2.5/), moist, 75% medium to coarse sand, 20% fine gravel, 5% non-plastic fines, contains burnt brick fragments, some iron oxide staining on coarse grained sediments	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2						
3				0		
4	KM-16-0809-4					
5						
6				0		
7					WELL GRADED SAND (SW): dark brown (10YR 3/3), moist, 95% fine to coarse sand, 5% non-plastic fines, trace rusty weathering	
8	KM-16-0809-8			0		Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-16-0809-W collected.
9					▼ wet	
10						Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Former Kelly Moore Facility Seattle, WA	**Log of Boring No. KM-44**
BORING LOCATION: See map	ELEVATION AND DATUM: Not Surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/4/15 / DATE FINISHED: 3/4/15
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630	DEPTH TO WATER (ft.) — FIRST: 5.5 / COMPL.: NA
SAMPLING METHOD: 5-foot-continuous-core system [5' x 2"]	LOGGED BY: N. Moxley
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Moxley / REG. NO.: L.G. 3024

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	PID (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0					POORLY-GRADED SAND with GRAVEL (SP): light brown moist, poorly graded fine to medium sand with gravel	
1					POORLY-GRADED SAND (SP): dark gray moist, poorly graded fine to medium sand	
2						
3						OVM reading collected using a RAE Systems MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4						
5						
6					wet sheen and strong TPH odor	
7						
8				1257		Groundwater sample KM-44-5.0-9.0 collected from a temporary, 3/4" diameter, stainless steel well screen set from 5.0-9.0 feet BGS.
9						
10					Boring terminated at 10.0 feet, backfilled with bentonite chips and finished to match existing grade.	
11						
12						
13						
14						
15						

PROJECT: Former Kelly Moore Facility Seattle, WA	**Log of Boring No. KM-45**
BORING LOCATION: See map	ELEVATION AND DATUM: Not Surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/4/15 / DATE FINISHED: 3/4/15
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630	DEPTH TO WATER (ft.) — FIRST: 5.5 / COMPL.: NA
SAMPLING METHOD: 5-foot-continuous-core system [5' x 2"]	LOGGED BY: N. Moxley
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Moxley / REG. NO. L.G. 3024

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	PID (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0					POORLY-GRADED SAND with GRAVEL (SP): gray moist, poorly graded fine to medium sand with gravel	
1					POORLY-GRADED SAND (SP): dark gray to black moist, poorly graded fine to medium sand	
2					brick, glass, and unknown debris	
3						OVM reading collected using a RAE Systems MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4						
5						
6					wet sheen and strong TPH odor	
7	KM-45-7.0-8.0					Groundwater sample KM-45-5.0-9.0 collected from a temporary, 3/4" diameter, stainless steel well screen set from 5.0-9.0 feet BGS.
8				2070		
9						
10					Boring terminated at 10.0 feet, backfilled with bentonite chips and finished to match existing grade.	
11						
12						
13						
14						
15						

PROJECT: Former Kelly Moore Facility Seattle, WA	**Log of Boring No. KM-46**
BORING LOCATION: See map	ELEVATION AND DATUM: Not Surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/4/15 / DATE FINISHED: 3/4/15
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630	DEPTH TO WATER (ft.) — FIRST: 6.0 / COMPL.: NA
SAMPLING METHOD: 5-foot-continuous-core system [5' x 2"]	LOGGED BY: N. Moxley
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Moxley / REG. NO. L.G. 3024

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/Foot	PID (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
1					POORLY-GRADED SAND with GRAVEL (SP): light brown moist, poorly graded fine to medium sand with gravel	
					brick and concrete fragments	
2					POORLY-GRADED SAND (SP): dark gray moist, poorly graded fine to medium sand	
3						OVM reading collected using a RAE Systems MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4						
5						
6					wet, sheen and strong TPH odor	
7				1988		Groundwater sample KM-46-5.0-9.0 collected from a temporary, 3/4" diameter, stainless steel well screen set from 5.0-9.0 feet BGS.
8						
9						
10					Boring terminated at 10.0 feet, backfilled with bentonite chips and finished to match existing grade.	
11						
12						
13						
14						
15						

PROJECT: Former Kelly Moore Facility Seattle, WA	**Log of Boring No. KM-47**
BORING LOCATION: See map	ELEVATION AND DATUM: Not Surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/4/15 / DATE FINISHED: 3/4/15
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630	DEPTH TO WATER (ft.) — FIRST: 6.0 / COMPL.: NA
SAMPLING METHOD: 5-foot-continuous-core system [5' x 2"]	LOGGED BY: N. Moxley
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Moxley / REG. NO. L.G. 3024

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/Foot	PID (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0					POORLY-GRADED GRAVEL (GP): light brown moist, coarse gravel	
1					POORLY-GRADED SAND (SP): dark gray to black moist, poorly graded fine to medium sand	
2					silty sand gravel, brick, coal, and melted glass	
3						OVM reading collected using a RAE Systems MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4						
5						
6					wet, sheen and strong TPH odor	
7				1941		Groundwater sample KM-47-5.0-9.0 collected from a temporary, 3/4" diameter, stainless steel well screen set from 5.0-9.0 feet BGS.
8						
9						
10					Boring terminated at 10.0 feet, backfilled with bentonite chips and finished to match existing grade.	
11						
12						
13						
14						
15						

PROJECT: Former Kelly Moore Facility Seattle, WA	**Log of Boring No. KM-48**
BORING LOCATION: See map	ELEVATION AND DATUM: Not Surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/4/15 / DATE FINISHED: 3/4/15
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630	DEPTH TO WATER (ft.) — FIRST: 6.0 / COMPL.: NA
SAMPLING METHOD: 5-foot-continuous-core system [5' x 2"]	LOGGED BY: N. Moxley
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Moxley / REG. NO. L.G. 3024

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/Foot	PID (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0					POORLY-GRADED SAND with GRAVEL (SP): light brown moist, poorly graded fine to medium sand with gravel	
1					POORLY-GRADED SAND (SP): dark gray to black moist, poorly graded fine to medium sand	
2					silty sand	
3					fragments of coal, burn debris, bricks, and metal slag	OVM reading collected using a RAE Systems MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4						
5						
6					wet, sheen and TPH odor	
7				2092		Groundwater sample KM-48-5.0-9.0 collected from a temporary, 3/4" diameter, stainless steel well screen set from 5.0-9.0 feet BGS.
8						
9						
10					Boring terminated at 10.0 feet, backfilled with bentonite chips and finished to match existing grade.	
11						
12						
13						
14						
15						

PROJECT: Former Kelly Moore Facility Seattle, WA	**Log of Boring No. KM-49**
BORING LOCATION: See map	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/4/15 / DATE FINISHED: 3/4/15
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630	DEPTH TO WATER (ft.) — FIRST: 6.0 / COMPL.: NA
SAMPLING METHOD: 5-foot-continuous-core system [5' x 2"]	LOGGED BY: N. Moxley
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Moxley / REG. NO.: L.G. 3024

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/Foot	PID (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
1					POORLY-GRADED SAND with GRAVEL (SP): light brown moist, poorly graded fine to medium sand with gravel	
2					POORLY-GRADED SAND (SP): dark gray moist, poorly graded fine to medium sand	
3						OVM reading collected using a RAE Systems MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4						
5						
6					wet, sheen and strong TPH odor	
7						Groundwater sample KM-49-5.0-9.0 collected from a temporary, 3/4" diameter, stainless steel well screen set from 5.0-9.0 feet BGS.
8				1414		
9						
10					Boring terminated at 10.0 feet, backfilled with bentonite chips and finished to match existing grade.	
11						
12						
13						
14						
15						

PROJECT: Former Kelly Moore Facility Seattle, WA	**Log of Boring No. KM-50**
BORING LOCATION: See map	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/4/15 / DATE FINISHED: 3/4/15
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630	DEPTH TO WATER (ft.) — FIRST: 6.0 / COMPL.: NA
SAMPLING METHOD: 5-foot-continuous-core system [5' x 2"]	LOGGED BY: N. Moxley
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Moxley / REG. NO. L.G. 3024

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	PID (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0					POORLY-GRADED SAND with GRAVEL (SP): light brown moist, poorly graded fine to medium sand with gravel	
3					POORLY-GRADED SAND (SP): dark gray moist, poorly graded fine to medium sand	OVM reading collected using a RAE Systems MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
6					wet, sheen and strong TPH odor	
7				1768		Groundwater sample KM-50-5.0-9.0 collected from a temporary, 3/4" diameter, stainless steel well screen set from 5.0-9.0 feet BGS.
10					Boring terminated at 10.0 feet, backfilled with bentonite chips and finished to match existing grade.	

PROJECT: Former Kelly Moore Facility Seattle, WA	**Log of Boring No. KM-51**
BORING LOCATION: See map	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/4/15 / DATE FINISHED: 3/4/15
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630	DEPTH TO WATER (ft.) — FIRST: 6.0 / COMPL.: NA
SAMPLING METHOD: 5-foot-continuous-core system [5' x 2"]	LOGGED BY: N. Moxley
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Moxley / REG. NO.: L.G. 3024

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/Foot	PID (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
1					POORLY-GRADED SAND (SP): light brown moist, poorly graded fine to medium sand	
2					dark gray	
3						OVM reading collected using a RAE Systems MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4						
5						
6					wet, sheen and strong TPH odor	
7				1281		Groundwater sample KM-51-5.0-9.0 collected from a temporary, 3/4" diameter, stainless steel well screen set from 5.0-9.0 feet BGS.
8						
9						
10					Boring terminated at 10.0 feet, backfilled with bentonite chips and finished to match existing grade.	
11						
12						
13						
14						
15						

PROJECT: Former Kelly Moore Facility Seattle, WA	**Log of Boring No. KM-52**
BORING LOCATION: See map	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/4/15 / DATE FINISHED: 3/4/15
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630	DEPTH TO WATER (ft.) — FIRST: 5.5 / COMPL.: NA
SAMPLING METHOD: 5-foot-continuous-core system [5' x 2"]	LOGGED BY: N. Moxley
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Moxley / REG. NO.: L.G. 3024

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	PID (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
1					POORLY-GRADED SAND with GRAVEL (SP): light brown moist, poorly graded fine to medium sand with gravel	
2						
3						OVM reading collected using a RAE Systems MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4					POORLY-GRADED SAND (SP): reddish brown moist, poorly graded fine to medium sand	
5						
6	KM-52-6.0-7.0			623	wet, sheen and strong TPH odor	
7						Groundwater sample KM-52-5.0-9.0 collected from a temporary, 3/4" diameter, stainless steel well screen set from 5.0-9.0 feet BGS.
8						
9						
10					Boring terminated at 10.0 feet, backfilled with bentonite chips and finished to match existing grade.	
11						
12						
13						
14						
15						

APPENDIX C

Photo Log of Vapor Barrier Installation

APPENDIX C

SITE PHOTOGRAPHS

5400-5580 Airport Way South
Seattle, Washington



Photograph 1 Vapor Barrier Installation of the south building.



Photograph 2 Scarification of concrete in Building 6 in August 2009.

APPENDIX C

SITE PHOTOGRAPHS
5400-5580 Airport Way South
Seattle, Washington



Photograph 3 Top of Tank 3 during removal (example of product tank) in 2010.



Photograph 4 Containment tank piping excavation in 2010.

APPENDIX C

SITE PHOTOGRAPHS
5400-5580 Airport Way South
Seattle, Washington



Photograph 5 Concrete slab removal from Building 8 for PCB cleanup in 2015.



Photograph 6 Flags marking sampling grid after additional excavation for PCB cleanup in 2015.

APPENDIX C

SITE PHOTOGRAPHS
5400-5580 Airport Way South
Seattle, Washington



Photograph 7 KM-39 excavation in March 2015.



Photograph 8 Removal of pipes from Building 7 area in March 2015.

APPENDIX C

SITE PHOTOGRAPHS
5400-5580 Airport Way South
Seattle, Washington



Photograph 9 Building 8 soil removal, phase 2 in March 2015.



Photograph 10 Close-up of the underground storage tank (UST) after moving to temporary staging area in March 2015.

APPENDIX C

SITE PHOTOGRAPHS
5400-5580 Airport Way South
Seattle, Washington



Photograph 11 Oxidant mixing in piping excavation phase 1 in March 2015.



Photograph 12 UST after discovery on March 5, 2015. View is to the east.

APPENDIX C

SITE PHOTOGRAPHS
5400-5580 Airport Way South
Seattle, Washington



Photograph 13 KM-03 well abandonment in June 2015.



Photograph 14 Vapor barrier installation in June 2015.

APPENDIX C

SITE PHOTOGRAPHS
5400-5580 Airport Way South
Seattle, Washington



Photograph 15 Close-up of the underground storage tank (UST) after discovery in June 2015.



Photograph 16 UST being removed from trenching excavation area in June 2015.

APPENDIX C

SITE PHOTOGRAPHS
5400-5580 Airport Way South
Seattle, Washington



Photograph 17 SVE piping installation in June 2015.



Photograph 18 Installation of the SVE piping in October 2015.

APPENDIX C

SITE PHOTOGRAPHS
5400-5580 Airport Way South
Seattle, Washington



Photograph 19 Installation of the SVE piping in October 2015.



Photograph 20 Utility trench installation in November 2015.

APPENDIX D

Analytical Data and Data Review

Memo

To:	Natasya Gray	Project:	14697
From:	Crystal Neirby	cc:	Project File
Date:	September 7, 2009		

Subject: Kelly Moore Paints – Soil and Groundwater Sampling – August 2009 Summary Data Quality Review – SDGs 0908-035, 0908-035B, 0908-051, 0908-051B, 0908-051C, 0908-054, 0908-054B

This memorandum presents a summary data quality review for analyses of 27 primary soil samples and 13 primary groundwater samples collected from August 5 through 7, 2009. The samples were submitted to OnSite Environmental Inc. (OnSite), a Washington State Department of Ecology (Ecology)-accredited laboratory, located in Redmond, Washington. The analyses were performed in general accordance with methods specified in the U.S. Environmental Protection Agency's (EPA's) Test Methods for Evaluating Solid Waste (SW-846) (EPA, 2008a). The samples were analyzed for the following analytes:

- Total petroleum hydrocarbons (TPH) as gasoline by Ecology Method NWTPH-Gx,
- TPH as gasoline and benzene, toluene, ethylbenzene, and xylenes (BTEX) by NWTPH-Gx,
- TPH as diesel extended by Ecology Method NWTPH-Dx,
- Volatile organic compounds (VOCs) by EPA Method 8260B,
- Semivolatile organic compounds (SVOCs) by EPA Method 8270 with polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270 with selective ion monitoring (SIM),
- Polychlorinated biphenyls (PCBs) by EPA Method 8082; and
- Total metals (Resource Conservation and Recovery Act [RCRA] 8 list) by EPA Method 6010B for soil samples and EPA Method 200.8 for water samples, with mercury analyzed using EPA Method 7471A for soil samples and EPA Method 7470A for water samples.

The samples associated with each sample delivery group (SDG) and a summary of the data quality review are presented in Table 1 (attached). Some samples were submitted and placed on hold, pending results of associated samples. The samples placed on hold are also included in Table 1.

The samples were received within the acceptable temperature range of 4 ± 2°C, and there were no sample discrepancies noted by the laboratory upon receipt. Samples analyzed for TPH as gasoline and VOCs were collected according to EPA Method 5035A. As indicated by the

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laboratory, the samples were submitted in preweighted 40-milliliter (mL) vials within 48 hours of collection and stored frozen until extraction or analysis.

Data were reviewed in accordance with the appropriate method procedures. The most current control limits provided by the laboratory were used to evaluate the quality control data.

The following were reviewed to assess compliance with applicable methods and the laboratory procedures: hold times; method blanks, blank spike (BS) and blank spike duplicate (BSD) results; matrix spike/matrix spike duplicate (MS/MSD) results; surrogate recoveries; laboratory duplicate results; and reporting limits. If data qualification was required, data were qualified in general accordance with the definitions and use of qualifying flags outlined in EPA guidance (EPA, 2004 and 2008).

Soil and groundwater samples were analyzed for TPH as gasoline, TPH as diesel, VOCs, SVOCs, PCBs, and total metals by the methods identified previously in this report and were evaluated for the following criteria.

1. Holding Times – Acceptable except as noted:

   SDG 0908-051C: The analysis of TPH as gasoline, VOCs, and SVOCs for sample KM-16-0809-8 was requested and the sample was extracted on August 27, 2009, seven days past the holding time. The TPH as gasoline, VOC, and SVOC results for sample KM-16-0809-8 are qualified as estimated and flagged with a "J."

   SDG 0908-054B: The analysis of VOCs for sample KM-8-0809-W was requested on August 27, 2009, seven days past the holding time, and the extraction was conducted on August 28, 2009. The VOC results for sample KM-8-0809-W are qualified as estimated and flagged with a "J."

2. Blanks – Acceptable except as noted:

   SVOCs by EPA 8270: The analyte 1,2-diphenylhydrazine was detected in the soil method blank associated with SDG 0908-051 at a concentration of 0.35 mg/kg. This compound was not detected in the associated samples; therefore, the sample results are not qualified.

3. BS/BSD – Acceptable

   The laboratory did not report blank spike results if acceptable MS/MSD or laboratory duplicate results were reported, following its standard operating procedure.

4. MS/MSD – Acceptable

   SDG 0908-035: The laboratory did not report MS/MSD results for the following analyses: TPH as gasoline, TPH as diesel, VOCs, SVOCs, and PCBs (water analysis). Sample results were evaluated based on BS and BSD results, except for TPH results for which only laboratory duplicate results were submitted.

SDG 0908-051: The laboratory did not report MS/MSD results for the following analyses: TPH as gasoline, TPH gasoline and BTEX, TPH as diesel, VOCs, SVOCs, and PCBs (water analysis). Sample results were evaluated based on BS and BSD results, except for TPH results for which only laboratory duplicate results were submitted.

SDG 0908-054: The laboratory did not report MS/MSD results for the following analyses: TPH as gasoline, TPH gasoline, TPH as diesel, VOCs, SVOCs, and PCBs (water analysis). Sample results were evaluated based on BS and BSD results, except for TPH results for which only laboratory duplicate results were submitted.

5. Surrogates – Acceptable except as noted:

   SDG 0908-051
   TPH as Gasoline by NWTPH-Gx: The surrogates were not recovered for samples KM-10-0809-2 and KM-10-0809-5.5 because of the high dilution necessitated by matrix interference. The sample results are not qualified because of the necessary high dilution.

   SVOCs by EPA 8270: The recovery of surrogate nitrobenzene-d5 in sample KM-10-0809-2 was 120 percent, greater than the control limits of 21 to 106 percent. The remaining four surrogates were within the control limits, and the affected analytes were all less than the reporting limit; therefore, sample results are not qualified.

   SDG 0908-054
   TPH as Gasoline by NWTPH-Gx: The surrogates were not recovered for samples KM-7-0809-7 and KM-5-0809-6.5 because of the high dilution necessitated by matrix interference. The sample results are not qualified because of the necessary high dilution.

   SVOCs by EPA 8270: The recovery of surrogate phenol-d6 in sample KM-8-0809-7 was 115 percent, greater than the control limits of 22 to 108 percent. The remaining four surrogates were within the control limits, and the affected analytes were all less than the reporting limit; therefore, sample results are not qualified. The recovery of surrogate 2,4,6-tribromophenol in the method blank associated with the soil samples was 37 percent, less than the control limits of 44 to 121 percent. The remaining surrogates were within the control limits, and the laboratory method allows for one SVOC surrogate to be outside the criteria as long as the recovery is greater than 10 percent.

6. Laboratory Duplicates – Acceptable

7. Reporting Limits and Laboratory Qualifiers – Acceptable except as noted:

   VOCs by EPA 8260B:
   SDG 0908-035: The laboratory noted that the internal standard, 1,4-dichlorobenzene-d4, for soil sample KM-1-0809-2 was not within the criteria

because of matrix interference. The sample was reanalyzed with similar results. The laboratory stated that compounds from bromobenzene onward should be considered estimates. The compounds are not further qualified and are reported as estimated and flagged with a "J."

SDG 0908-051: The laboratory noted that the internal standard, 1,4-dichlorobenzene-d4, for soil samples KM-16-0809-4 and KM-15-0809-4 were not within the criteria because of matrix interference. The samples were reanalyzed with similar results. The laboratory stated that compounds from bromobenzene onward should be considered estimates. Likewise, the internal standards chlorobenzene-d5 and 1,4-dichlorobenzene-d4 were not within the criteria for sample KM-11-0809-2.5. The laboratory stated that compounds from trans-1,3-dichloropropene onward should be considered estimates. The compounds are not further qualified and are reported as estimated and flagged with a "J."

SDG 0908-054: The laboratory stated in the case narrative that some Model Toxics Control Act cleanup levels are not achievable due to the dilution necessitated by matrix interference.

OVERALL ASSESSMENT OF DATA

The OnSite SDGs 0908-035, 0908-035B, 0908-051, 0908-051B, 0908-051C, 0908-054, 0908-054B are 100 percent complete. The data usability is based on EPA's guidance documents. Few problems were identified, and the analytical performance was generally within specified limits. The data are acceptable and meet the project's data quality objectives.

REFERENCES

EPA (U.S. Environmental Protection Agency), 2008a, Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846), Third Edition, September 1986; Final Update I, July 1992; Final Update IIA, August 1993; Final Update II, September 1994; Final Update IIB, January 1995; Final Update III, December 1996; Final Update IIIA, April 1998; Final Update IV, January 2008.

EPA, 2004, U.S. EPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review: EPA 540-R-04-004, October.

EPA, 2008, U.S. EPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review: EPA 540-R-08-001, June.

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Sample ID	Laboratory Sample ID	Qualified Analyte	Qualified Result	Units	Qualifier Reason
KM-2-0809-2	08-035-01	none			
KM-2-0809-4.5	08-035-02	HOLD			
KM-1-0809-2	08-035-03	bromobenzene	0.0014 UJ	mg/kg	internal standard recovery
		1,1,2,2-tetrachloroethane	0.0014 UJ		
		1,2,3-trichloropropane	0.0014 UJ		
		n-propylbenzene	0.0014 UJ		
		2-chlorotoluene	0.0014 UJ		
		4-chlorotoluene	0.0014 UJ		
		1,3,5-trimethylbenzene	0.0014 UJ		
		tert-butylbenzene	0.0014 UJ		
		1,2,4-trimethylbenzene	0.0014 UJ		
		sec-butylbenzene	0.0014 UJ		
		1,3-dichlorobenzene	0.0014 UJ		
		p-isopropyltoluene	0.0014 UJ		
		1,4-dichlorobenzene	0.0014 UJ		
		1,2-dichlorobenzene	0.0014 UJ		
		n-butylbenzene	0.0014 UJ		
		1,2-dibromo-3-chloropropane	0.0069 UJ		
		1,2,4-trichlorobenzene	0.0014 UJ		
		hexachlorobutadiene	0.0069 UJ		
		naphthalene	0.0014 UJ		
		1,2,3-trichlorobenzene	0.0014 UJ		
KM-1-0809-6	08-035-04	HOLD			
KM-9-0809-2	08-035-05	none			
KM-9-0809-6.5	08-035-06	HOLD			
KM-2-0809-W	08-035-07	none			
KM-1-0809-W	08-035-08	none			
KM-9-0809-W	08-035-09	none			

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Sample ID	Laboratory Sample ID	Qualified Analyte	Qualified Result	Units	Qualifier Reason
KM-16-0809-4	08-051-01	bromobenzene	0.0013 UJ	mg/kg	internal standard recovery
		1,1,2,2-tetrachloroethane	0.0013 UJ		
		1,2,3-trichloropropane	0.0013 UJ		
		n-propylbenzene	0.0013 UJ		
		2-chlorotoluene	0.0013 UJ		
		4-chlorotoluene	0.0013 UJ		
		1,3,5-trimethylbenzene	0.0013 UJ		
		tert-butylbenzene	0.0013 UJ		
		1,2,4-trimethylbenzene	0.0013 UJ		
		sec-butylbenzene	0.0013 UJ		
		1,3-dichlorobenzene	0.0013 UJ		
		p-isopropyltoluene	0.0013 UJ		
		1,4-dichlorobenzene	0.0013 UJ		
		1,2-dichlorobenzene	0.0013 UJ		
		n-butylbenzene	0.0013 UJ		
		1,2-dibromo-3-chloropropane	0.0064 UJ		
		1,2,4-trichlorobenzene	0.0013 UJ		
		hexachlorobutadiene	0.0064 UJ		
		naphthalene	0.0013 UJ		
		1,2,3-trichlorobenzene	0.0013 UJ		
KM-16-0809-8	08-051-02	TPH-Gasoline	5.2 UJ	mg/kg	Extracted past holding time
		all VOCs	all UJ		
		all SVOCs	J or UJ		

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Sample ID	Laboratory Sample ID	Qualified Analyte	Qualified Result	Units	Qualifier Reason
KM-15-0809-4	08-051-03	bromobenzene	0.0012 UJ	mg/kg	internal
		1,1,2,2-tetrachloroethane	0.0012 UJ		standard
		1,2,3-trichloropropane	0.0012 UJ		recovery
		n-propylbenzene	0.0012 UJ		
		2-chlorotoluene	0.0012 UJ		
		4-chlorotoluene	0.0012 UJ		
		1,3,5-trimethylbenzene	0.0012 UJ		
		tert-butylbenzene	0.0012 UJ		
		1,2,4-trimethylbenzene	0.0012 UJ		
		sec-butylbenzene	0.0012 UJ		
		1,3-dichlorobenzene	0.0012 UJ		
		p-isopropyltoluene	0.0012 UJ		
		1,4-dichlorobenzene	0.0012 UJ		
		1,2-dichlorobenzene	0.0012 UJ		
		n-butylbenzene	0.0012 UJ		
		1,2-dibromo-3-chloropropane	0.0059 UJ		
		1,2,4-trichlorobenzene	0.0012 UJ		
		hexachlorobutadiene	0.0059 UJ		
		naphthalene	0.0012 UJ		
		1,2,3-trichlorobenzene	0.0012 UJ		
KM-15-0809-6.5	08-051-04	HOLD			
KM-14-0809-2	08-051-05	none			
KM-14-0809-7	08-051-06	HOLD			
KM-16-0809-W	08-051-07	none			
KM-15-0809-W	08-051-08	HOLD			
KM-14-0809-W	08-051-09	none			
KM-13-0809-2	08-051-10	none			
KM-10-0809-2	08-051-11	none			
KM-10-0809-5.5	08-051-12	none			
KM-10-0809-W	08-051-13	none			

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Sample ID	Laboratory Sample ID	Qualified Analyte	Qualified Result	Units	Qualifier Reason
KM-11-0809-2.5	08-051-14	trans-1,3-dichloropropene	0.0018 UJ	mg/kg	internal standard recovery
		11,2-trichloroethane	0.0018 UJ		
		tetrachloroethene	0.0018 UJ		
		1,3-dichloropropane	0.0018 UJ		
		2-hexanone	0.0091 UJ		
		dibromochloromethane	0.0018 UJ		
		1,2-dibromoethane	0.0018 UJ		
		chlorobenzene	0.0018 UJ		
		1,1,1,2-tetrachloroethane	0.0018 UJ		
		ethylbenzene	0.0032 J		
		m,p-xylene	0.021 J		
		o-xylene	0.0056 J		
		styrene	0.0018 UJ		
		bromoform	0.0018 UJ		
		isopropylbenzene	0.0018 UJ		
		bromobenzene	0.0018 UJ		
		1,1,2,2-tetrachloroethane	0.0018 UJ		
		1,2,3-trichloropropane	0.0018 UJ		
		n-propylbenzene	0.0018 UJ		
		2-chlorotoluene	0.0018 UJ		
		4-chlorotoluene	0.0018 UJ		
		1,3,5-trimethylbenzene	0.0018 UJ		
		tert-butylbenzene	0.0072 J		
		1,2,4-trimethylbenzene	0.0088 J		
		sec-butylbenzene	0.0079 J		
		1,3-dichlorobenzene	0.0018 UJ		
		p-isopropyltoluene	0.0060 J		
		1,4-dichlorobenzene	0.0018 UJ		
		1,2-dichlorobenzene	0.0018 UJ		
		n-butylbenzene	0.0018 UJ		
		1,2-dibromo-3-chloropropane	0.0091 UJ		
		1,2,4-trichlorobenzene	0.0018 UJ		
		hexachlorobutadiene	0.0091 UJ		
		naphthalene	0.0018 UJ		
		1,2,3-trichlorobenzene	0.0018 UJ		
KM-11-0809-7	08-051-15	none			
KM-11-0809-W	08-051-16	HOLD			
KM-7-0809-2	08-054-01	none			
KM-7-0809-7	08-054-02	none			
KM-7-0809-W	08-054-03	none			

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Sample ID	Laboratory Sample ID	Qualified Analyte	Qualified Result	Units	Qualifier Reason
KM-8-0809-2	08-054-04	none			
KM-8-0809-7	08-054-05	none			
KM-8-0809-W	08-054-06	VOCs	J or UJ	µg/L	Extracted past holding time
KM-12-0809-2	08-054-07	none			
KM-12-0809-5	08-054-08	HOLD			
KM-12-0809-W	08-054-09	HOLD			
KM-5-0809-2.5	08-054-10	none			
KM-5-0809-6.5	08-054-11	none			
KM-5-0809-W	08-054-12	none			
KM-6-0809-2	08-054-13	none			
KM-6-0809-4	08-054-14	none			
KM-6-0809-W	08-054-15	HOLD			

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

August 14, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0908-035

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on August 5, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

Case Narrative

Samples were collected on August 5, 2009, and received by the laboratory on August 5, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Volatiles EPA 8260B (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Internal Standard 1,4-Dichlorobenzene-d4 does not meet acceptance criteria for sample KM-1-0809-2 due to sample matrix effects. The sample was re-analyzed with similar results. All results, including Practical Quantitation Limits, from Bromobenzene onward should be considered estimates.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Gx

Date Extracted:	8-7-09					
Date Analyzed:	8-7-09					
Matrix: Soil						
Units: mg/kg (ppm)						
Client ID:	**KM-2-0809-2**			**KM-1-0809-2**		
Lab ID:	08-035-01			08-035-03		
	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**ND**		5.4	**ND**		8.1
Surrogate Recovery:						
Fluorobenzene	79%			93%		

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Gx

Date Extracted:	8-7-09
Date Analyzed:	8-7-09
Matrix: Soil	
Units: mg/kg (ppm)	
Client ID:	**KM-9-0809-2**
Lab ID:	08-035-05

	Result	Flags	PQL
TPH-Gas	**ND**		5.2
Surrogate Recovery:			
Fluorobenzene	85%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 8-7-09
Date Analyzed: 8-7-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0807S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	85%		

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 8-7-09
Date Analyzed: 8-7-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	08-049-02 **Original**	08-049-02 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	89%	92%		

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Gx

Date Extracted:	8-10-09	
Date Analyzed:	8-10-09	
Matrix: Water		
Units: ug/L (ppb)		
Client ID:	**KM-2-0809-W**	**KM-1-0809-W**
Lab ID:	08-035-07	08-035-08

	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**ND**		100	**ND**		100
Surrogate Recovery:						
Fluorobenzene	98%			99%		

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Gx

Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix: Water	
Units: ug/L (ppb)	
Client ID:	**KM-9-0809-W**
Lab ID:	08-035-09

	Result	Flags	PQL
TPH-Gas	**ND**		100
Surrogate Recovery:			
Fluorobenzene	96%		

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0810W2

	Result	Flags	PQL
TPH-Gas	**ND**		100

Surrogate Recovery:
Fluorobenzene 94%

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 8-12-09
Date Analyzed: 8-12-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0812W1

	Result	Flags	PQL
TPH-Gas	**ND**		100

Surrogate Recovery:
Fluorobenzene 93%

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 8-10&12-09
Date Analyzed: 8-10&12-09

Matrix: Water
Units: ug/L (ppb)

Lab ID:	08-045-02 **Original**	08-045-02 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	98%	94%		

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Dx

Date Extracted: 8-7-09
Date Analyzed: 8-7-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID:	**KM-2-0809-2**	**KM-1-0809-2**	**KM-9-0809-2**
Lab ID:	08-035-01	08-035-03	08-035-05
Diesel Range:	**ND**	**35**	**ND**
PQL:	26	31	27
Identification:	---	Diesel Range Organics	---
Lube Oil Range:	**ND**	**330**	**ND**
PQL:	53	63	54
Identification:	---	Lube Oil	---
Surrogate Recovery			
o-Terphenyl:	75%	74%	84%
Flags:	Y	Y	Y

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-7-09
Date Analyzed:	8-7-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0807S1
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	88%
Flags:	Y

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
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NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	8-7-09
Date Analyzed:	8-10-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	08-039-01	08-039-01 DUP
Diesel Range:	**10000**	**7370**
PQL:	130	130
RPD:	30	
Surrogate Recovery		
o-Terphenyl:	99%	91%
Flags:	Y	Y

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Dx

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Water
Units: mg/L (ppm)

Client ID:	**KM-2-0809-W**	**KM-1-0809-W**	**KM-9-0809-W**
Lab ID:	08-035-07	08-035-08	08-035-09
Diesel Range:	**ND**	**ND**	**ND**
PQL:	0.28	0.27	0.28
Identification:	---	---	---
Lube Oil Range:	**ND**	**ND**	**ND**
PQL:	0.45	0.43	0.44
Identification:	---	---	---
Surrogate Recovery			
o-Terphenyl:	86%	78%	89%
Flags:	Y	Y	Y

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Water
Units:	mg/L (ppm)
Lab ID:	MB0810W1
Diesel Range:	**ND**
PQL:	0.25
Identification:	---
Lube Oil Range:	**ND**
PQL:	0.40
Identification:	---
Surrogate Recovery	
o-Terphenyl:	83%
Flags:	Y

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Water
Units:	mg/L (ppm)

Lab ID:	08-035-08	08-035-08 DUP
Diesel Range:	**ND**	**ND**
PQL:	0.27	0.28
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	78%	93%
Flags:	Y	Y

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Date of Report: August 14, 2009
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VOLATILES by EPA 8260B
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Date Extracted:	8-6-09
Date Analyzed:	8-6-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-035-01
Client ID:	**KM-2-0809-2**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0052
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0052
Trichlorofluoromethane	0.0036		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0052
Iodomethane	ND		0.0052
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0052
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0052
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0052
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0052
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0052
Toluene	ND		0.0052
(trans) 1,3-Dichloropropene	ND		0.0010

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
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Lab ID: 08-035-01
Client ID: KM-2-0809-2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0052
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0021
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0052
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0052
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	82	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	113	54-130

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
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VOLATILES by EPA 8260B
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Date Extracted:	8-6-09
Date Analyzed:	8-6-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-035-03
Client ID:	**KM-1-0809-2**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0014
Chloromethane	ND		0.0069
Vinyl Chloride	ND		0.0014
Bromomethane	ND		0.0014
Chloroethane	ND		0.0069
Trichlorofluoromethane	ND		0.0014
1,1-Dichloroethene	ND		0.0014
Acetone	0.16		0.0069
Iodomethane	ND		0.0069
Carbon Disulfide	ND		0.0014
Methylene Chloride	ND		0.0069
(trans) 1,2-Dichloroethene	ND		0.0014
Methyl t-Butyl Ether	ND		0.0014
1,1-Dichloroethane	ND		0.0014
Vinyl Acetate	ND		0.0069
2,2-Dichloropropane	ND		0.0014
(cis) 1,2-Dichloroethene	ND		0.0014
2-Butanone	0.022		0.0069
Bromochloromethane	ND		0.0014
Chloroform	ND		0.0014
1,1,1-Trichloroethane	ND		0.0014
Carbon Tetrachloride	ND		0.0014
1,1-Dichloropropene	ND		0.0014
Benzene	ND		0.0014
1,2-Dichloroethane	ND		0.0014
Trichloroethene	ND		0.0014
1,2-Dichloropropane	ND		0.0014
Dibromomethane	ND		0.0014
Bromodichloromethane	ND		0.0014
2-Chloroethyl Vinyl Ether	ND		0.0069
(cis) 1,3-Dichloropropene	ND		0.0014
Methyl Isobutyl Ketone	ND		0.0069
Toluene	ND		0.0069
(trans) 1,3-Dichloropropene	ND		0.0014

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Lab ID: 08-035-03
Client ID: KM-1-0809-2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0014
Tetrachloroethene	ND		0.0014
1,3-Dichloropropane	ND		0.0014
2-Hexanone	ND		0.0069
Dibromochloromethane	ND		0.0014
1,2-Dibromoethane	ND		0.0014
Chlorobenzene	ND		0.0014
1,1,1,2-Tetrachloroethane	ND		0.0014
Ethylbenzene	ND		0.0014
m,p-Xylene	ND		0.0028
o-Xylene	ND		0.0014
Styrene	ND		0.0014
Bromoform	ND		0.0014
Isopropylbenzene	ND		0.0014
Bromobenzene	ND		0.0014
1,1,2,2-Tetrachloroethane	ND		0.0014
1,2,3-Trichloropropane	ND		0.0014
n-Propylbenzene	ND		0.0014
2-Chlorotoluene	ND		0.0014
4-Chlorotoluene	ND		0.0014
1,3,5-Trimethylbenzene	ND		0.0014
tert-Butylbenzene	ND		0.0014
1,2,4-Trimethylbenzene	ND		0.0014
sec-Butylbenzene	ND		0.0014
1,3-Dichlorobenzene	ND		0.0014
p-Isopropyltoluene	ND		0.0014
1,4-Dichlorobenzene	ND		0.0014
1,2-Dichlorobenzene	ND		0.0014
n-Butylbenzene	ND		0.0014
1,2-Dibromo-3-chloropropane	ND		0.0069
1,2,4-Trichlorobenzene	ND		0.0014
Hexachlorobutadiene	ND		0.0069
Naphthalene	ND		0.0014
1,2,3-Trichlorobenzene	ND		0.0014

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	86	55-125
Toluene-d8	86	56-127
4-Bromofluorobenzene	84	54-130

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9/17/09

Date of Report: August 14, 2009
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Date Extracted:	8-6-09
Date Analyzed:	8-6-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-035-05
Client ID:	**KM-9-0809-2**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0013
Chloromethane	ND		0.0067
Vinyl Chloride	ND		0.0013
Bromomethane	ND		0.0013
Chloroethane	ND		0.0067
Trichlorofluoromethane	0.0026		0.0013
1,1-Dichloroethene	ND		0.0013
Acetone	ND		0.0067
Iodomethane	ND		0.0067
Carbon Disulfide	ND		0.0013
Methylene Chloride	ND		0.0067
(trans) 1,2-Dichloroethene	ND		0.0013
Methyl t-Butyl Ether	ND		0.0013
1,1-Dichloroethane	ND		0.0013
Vinyl Acetate	ND		0.0067
2,2-Dichloropropane	ND		0.0013
(cis) 1,2-Dichloroethene	ND		0.0013
2-Butanone	ND		0.0067
Bromochloromethane	ND		0.0013
Chloroform	ND		0.0013
1,1,1-Trichloroethane	ND		0.0013
Carbon Tetrachloride	ND		0.0013
1,1-Dichloropropene	ND		0.0013
Benzene	ND		0.0013
1,2-Dichloroethane	ND		0.0013
Trichloroethene	ND		0.0013
1,2-Dichloropropane	ND		0.0013
Dibromomethane	ND		0.0013
Bromodichloromethane	ND		0.0013
2-Chloroethyl Vinyl Ether	ND		0.0067
(cis) 1,3-Dichloropropene	ND		0.0013
Methyl Isobutyl Ketone	ND		0.0067
Toluene	ND		0.0067
(trans) 1,3-Dichloropropene	ND		0.0013

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Lab ID: 08-035-05
Client ID: KM-9-0809-2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0013
Tetrachloroethene	ND		0.0013
1,3-Dichloropropane	ND		0.0013
2-Hexanone	ND		0.0067
Dibromochloromethane	ND		0.0013
1,2-Dibromoethane	ND		0.0013
Chlorobenzene	ND		0.0013
1,1,1,2-Tetrachloroethane	ND		0.0013
Ethylbenzene	ND		0.0013
m,p-Xylene	ND		0.0027
o-Xylene	ND		0.0013
Styrene	ND		0.0013
Bromoform	ND		0.0013
Isopropylbenzene	ND		0.0013
Bromobenzene	ND		0.0013
1,1,2,2-Tetrachloroethane	ND		0.0013
1,2,3-Trichloropropane	ND		0.0013
n-Propylbenzene	ND		0.0013
2-Chlorotoluene	ND		0.0013
4-Chlorotoluene	ND		0.0013
1,3,5-Trimethylbenzene	ND		0.0013
tert-Butylbenzene	ND		0.0013
1,2,4-Trimethylbenzene	ND		0.0013
sec-Butylbenzene	ND		0.0013
1,3-Dichlorobenzene	ND		0.0013
p-Isopropyltoluene	ND		0.0013
1,4-Dichlorobenzene	ND		0.0013
1,2-Dichlorobenzene	ND		0.0013
n-Butylbenzene	ND		0.0013
1,2-Dibromo-3-chloropropane	ND		0.0067
1,2,4-Trichlorobenzene	ND		0.0013
Hexachlorobutadiene	ND		0.0067
Naphthalene	ND		0.0013
1,2,3-Trichlorobenzene	ND		0.0013

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	70	55-125
Toluene-d8	84	56-127
4-Bromofluorobenzene	105	54-130

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Date Extracted:	8-6-09
Date Analyzed:	8-6-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0806S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: MB0806S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	77	55-125
Toluene-d8	79	56-127
4-Bromofluorobenzene	104	54-130

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 8-6-09
Date Analyzed: 8-6-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB0806S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0435	87	0.0408	82	70-130	
Benzene	0.0500	0.0376	75	0.0381	76	70-128	
Trichloroethene	0.0500	0.0404	81	0.0416	83	70-124	
Toluene	0.0500	0.0403	81	0.0391	78	73-123	
Chlorobenzene	0.0500	0.0515	103	0.0527	105	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	6	16	
Benzene	1	15	
Trichloroethene	3	14	
Toluene	3	14	
Chlorobenzene	2	13	

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	8-6-09
Date Analyzed:	8-6-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	08-035-07
Client ID:	**KM-2-0809-W**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 08-035-07
Client ID: KM-2-0809-W

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	80	71-126
Toluene-d8	86	76-116
4-Bromofluorobenzene	85	70-123

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	8-6-09
Date Analyzed:	8-6-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	08-035-08
Client ID:	**KM-1-0809-W**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 08-035-08
Client ID: KM-1-0809-W

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	75	71-126
Toluene-d8	79	76-116
4-Bromofluorobenzene	84	70-123

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	8-6-09
Date Analyzed:	8-6-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	08-035-09
Client ID:	**KM-9-0809-W**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 08-035-09
Client ID: KM-9-0809-W

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	0.88		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	0.75		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	2.3		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	79	71-126
Toluene-d8	85	76-116
4-Bromofluorobenzene	90	70-123

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted: 8-6-09
Date Analyzed: 8-6-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0806W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB0806W1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	84	71-126
Toluene-d8	84	76-116
4-Bromofluorobenzene	85	70-123

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 8-6-09
Date Analyzed: 8-6-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB0806W1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	10.0	9.30	93	8.62	86	70-130	
Benzene	10.0	9.50	95	8.96	90	70-130	
Trichloroethene	10.0	9.73	97	9.00	90	70-123	
Toluene	10.0	10.2	102	9.67	97	77-120	
Chlorobenzene	10.0	11.1	111	10.5	105	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	8	21	
Benzene	6	18	
Trichloroethene	8	18	
Toluene	5	17	
Chlorobenzene	5	18	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

Page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-2-0809-2**					
Laboratory ID:	08-035-01					
N-Nitrosodimethylamine	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Pyridine	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Phenol	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Aniline	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
bis(2-Chloroethyl)ether	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2-Chlorophenol	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
1,3-Dichlorobenzene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
1,4-Dichlorobenzene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Benzyl alcohol	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
1,2-Dichlorobenzene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2-Methylphenol (o-Cresol)	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
bis(2-Chloroisopropyl)ether	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
N-Nitroso-di-n-propylamine	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Hexachloroethane	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Nitrobenzene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Isophorone	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2-Nitrophenol	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2,4-Dimethylphenol	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
bis(2-Chloroethoxy)methane	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2,4-Dichlorophenol	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
1,2,4-Trichlorobenzene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Naphthalene	**ND**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
4-Chloroaniline	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Hexachlorobutadiene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
4-Chloro-3-methylphenol	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2-Methylnaphthalene	**ND**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
1-Methylnaphthalene	**ND**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
Hexachlorocyclopentadiene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2,4,6-Trichlorophenol	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2,3-Dichloroaniline	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2,4,5-Trichlorophenol	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2-Chloronaphthalene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2-Nitroaniline	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
1,4-Dinitrobenzene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Dimethylphthalate	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
1,3-Dinitrobenzene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2,6-Dinitrotoluene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
1,2-Dinitrobenzene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Acenaphthylene	**ND**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
3-Nitroaniline	**ND**	0.035	EPA 8270	8-6-09	8-7-09	

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-2-0809-2**					
Laboratory ID:	08-035-01					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	8-6-09	8-7-09	
Acenaphthene	**ND**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
4-Nitrophenol	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2,4-Dinitrotoluene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Dibenzofuran	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Diethylphthalate	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
4-Chlorophenyl-phenylether	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
4-Nitroaniline	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Fluorene	**ND**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	8-6-09	8-7-09	
N-Nitrosodiphenylamine	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
1,2-Diphenylhydrazine	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
4-Bromophenyl-phenylether	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Hexachlorobenzene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Pentachlorophenol	**ND**	0.18	EPA 8270	8-6-09	8-7-09	
Phenanthrene	**0.010**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
Anthracene	**ND**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
Carbazole	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Di-n-butylphthalate	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Fluoranthene	**0.030**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
Benzidine	**ND**	0.35	EPA 8270	8-6-09	8-7-09	
Pyrene	**0.029**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
Butylbenzylphthalate	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
bis-2-Ethylhexyladipate	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
3,3'-Dichlorobenzidine	**ND**	0.35	EPA 8270	8-6-09	8-7-09	
Benzo[a]anthracene	**0.024**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
Chrysene	**0.029**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Di-n-octylphthalate	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Benzo[b]fluoranthene	**0.035**	0.035	EPA 8270	8-6-09	8-7-09	
Benzo[k]fluoranthene	**0.016**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
Benzo[a]pyrene	**0.033**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
Indeno[1,2,3-cd]pyrene	**0.022**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
Dibenz[a,h]anthracene	**0.0084**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
Benzo[g,h,i]perylene	**0.026**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*52*	*19 - 97*				
Phenol-d6	*59*	*22 - 108*				
Nitrobenzene-d5	*57*	*21 - 106*				
2-Fluorobiphenyl	*69*	*29 - 107*				
2,4,6-Tribromophenol	*86*	*44 - 121*				
Terphenyl-d14	*86*	*37 - 120*				

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-1-0809-2**					
Laboratory ID:	08-035-03					
N-Nitrosodimethylamine	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Pyridine	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Phenol	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Aniline	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
bis(2-Chloroethyl)ether	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2-Chlorophenol	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
1,3-Dichlorobenzene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
1,4-Dichlorobenzene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Benzyl alcohol	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
1,2-Dichlorobenzene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2-Methylphenol (o-Cresol)	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
bis(2-Chloroisopropyl)ether	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
N-Nitroso-di-n-propylamine	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Hexachloroethane	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Nitrobenzene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Isophorone	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2-Nitrophenol	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2,4-Dimethylphenol	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
bis(2-Chloroethoxy)methane	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2,4-Dichlorophenol	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
1,2,4-Trichlorobenzene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Naphthalene	**ND**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
4-Chloroaniline	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Hexachlorobutadiene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
4-Chloro-3-methylphenol	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2-Methylnaphthalene	**0.077**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
1-Methylnaphthalene	**0.064**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
Hexachlorocyclopentadiene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2,4,6-Trichlorophenol	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2,3-Dichloroaniline	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2,4,5-Trichlorophenol	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2-Chloronaphthalene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2-Nitroaniline	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
1,4-Dinitrobenzene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Dimethylphthalate	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
1,3-Dinitrobenzene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2,6-Dinitrotoluene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
1,2-Dinitrobenzene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Acenaphthylene	**ND**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
3-Nitroaniline	**ND**	0.21	EPA 8270	8-6-09	8-7-09	

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-1-0809-2**					
Laboratory ID:	08-035-03					
2,4-Dinitrophenol	**ND**	1.0	EPA 8270	8-6-09	8-7-09	
Acenaphthene	**ND**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
4-Nitrophenol	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2,4-Dinitrotoluene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Dibenzofuran	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Diethylphthalate	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
4-Chlorophenyl-phenylether	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
4-Nitroaniline	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Fluorene	**ND**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
4,6-Dinitro-2-methylphenol	**ND**	1.0	EPA 8270	8-6-09	8-7-09	
N-Nitrosodiphenylamine	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
1,2-Diphenylhydrazine	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
4-Bromophenyl-phenylether	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Hexachlorobenzene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Pentachlorophenol	**ND**	1.0	EPA 8270	8-6-09	8-7-09	
Phenanthrene	**0.14**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
Anthracene	**ND**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
Carbazole	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Di-n-butylphthalate	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Fluoranthene	**0.15**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
Benzidine	**ND**	2.1	EPA 8270	8-6-09	8-7-09	
Pyrene	**0.16**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
Butylbenzylphthalate	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
bis-2-Ethylhexyladipate	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
3,3'-Dichlorobenzidine	**ND**	2.1	EPA 8270	8-6-09	8-7-09	
Benzo[a]anthracene	**0.056**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
Chrysene	**0.13**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Di-n-octylphthalate	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Benzo[b]fluoranthene	**0.14**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
Benzo[k]fluoranthene	**0.047**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
Benzo[a]pyrene	**0.11**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
Indeno[1,2,3-cd]pyrene	**0.054**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
Dibenz[a,h]anthracene	**ND**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
Benzo[g,h,i]perylene	**0.094**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*41*	*19 - 97*				
Phenol-d6	*54*	*22 - 108*				
Nitrobenzene-d5	*57*	*21 - 106*				
2-Fluorobiphenyl	*71*	*29 - 107*				
2,4,6-Tribromophenol	*75*	*44 - 121*				
Terphenyl-d14	*81*	*37 - 120*				

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SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-9-0809-2**					
Laboratory ID:	08-035-05					
N-Nitrosodimethylamine	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Pyridine	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Phenol	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Aniline	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
bis(2-Chloroethyl)ether	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2-Chlorophenol	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
1,3-Dichlorobenzene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
1,4-Dichlorobenzene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Benzyl alcohol	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
1,2-Dichlorobenzene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2-Methylphenol (o-Cresol)	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
bis(2-Chloroisopropyl)ether	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
N-Nitroso-di-n-propylamine	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Hexachloroethane	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Nitrobenzene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Isophorone	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2-Nitrophenol	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2,4-Dimethylphenol	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
bis(2-Chloroethoxy)methane	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2,4-Dichlorophenol	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
1,2,4-Trichlorobenzene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Naphthalene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
4-Chloroaniline	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Hexachlorobutadiene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
4-Chloro-3-methylphenol	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2-Methylnaphthalene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
1-Methylnaphthalene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
Hexachlorocyclopentadiene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2,4,6-Trichlorophenol	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2,3-Dichloroaniline	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2,4,5-Trichlorophenol	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2-Chloronaphthalene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2-Nitroaniline	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
1,4-Dinitrobenzene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Dimethylphthalate	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
1,3-Dinitrobenzene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2,6-Dinitrotoluene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
1,2-Dinitrobenzene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Acenaphthylene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
3-Nitroaniline	**ND**	0.036	EPA 8270	8-6-09	8-7-09	

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Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-9-0809-2**					
Laboratory ID:	08-035-05					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	8-6-09	8-7-09	
Acenaphthene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
4-Nitrophenol	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2,4-Dinitrotoluene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Dibenzofuran	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Diethylphthalate	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
4-Chlorophenyl-phenylether	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
4-Nitroaniline	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Fluorene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	8-6-09	8-7-09	
N-Nitrosodiphenylamine	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
1,2-Diphenylhydrazine	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
4-Bromophenyl-phenylether	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Hexachlorobenzene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Pentachlorophenol	**ND**	0.18	EPA 8270	8-6-09	8-7-09	
Phenanthrene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
Anthracene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
Carbazole	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Di-n-butylphthalate	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Fluoranthene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
Benzidine	**ND**	0.36	EPA 8270	8-6-09	8-7-09	
Pyrene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
Butylbenzylphthalate	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
bis-2-Ethylhexyladipate	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
3,3'-Dichlorobenzidine	**ND**	0.36	EPA 8270	8-6-09	8-7-09	
Benzo[a]anthracene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
Chrysene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Di-n-octylphthalate	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Benzo[b]fluoranthene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
Benzo[k]fluoranthene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
Benzo[a]pyrene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
Dibenz[a,h]anthracene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
Benzo[g,h,i]perylene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*51*	*19 - 97*				
Phenol-d6	*55*	*22 - 108*				
Nitrobenzene-d5	*56*	*21 - 106*				
2-Fluorobiphenyl	*58*	*29 - 107*				
2,4,6-Tribromophenol	*87*	*44 - 121*				
Terphenyl-d14	*90*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0806S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Pyridine	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Phenol	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Aniline	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Hexachloroethane	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Nitrobenzene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Isophorone	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	8-6-09	8-7-09	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0806S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	8-6-09	8-7-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Dibenzofuran	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Diethylphthalate	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	8-6-09	8-7-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	8-6-09	8-7-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
Carbazole	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
Benzidine	**ND**	0.33	EPA 8270	8-6-09	8-7-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	8-6-09	8-7-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*55*	*19 - 97*				
Phenol-d6	*57*	*22 - 108*				
Nitrobenzene-d5	*63*	*21 - 106*				
2-Fluorobiphenyl	*62*	*29 - 107*				
2,4,6-Tribromophenol	*76*	*44 - 121*				
Terphenyl-d14	*78*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0806S1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**0.645**	**0.741**	1.33	1.33	48	56	27 - 100	14	37	
2-Chlorophenol	**0.649**	**0.739**	1.33	1.33	49	56	23 - 104	13	43	
1,4-Dichlorobenzene	**0.294**	**0.328**	0.667	0.667	44	49	23 - 86	11	40	
N-Nitroso-di-n-propylamine	**0.348**	**0.396**	0.667	0.667	52	59	28 - 96	13	37	
1,2,4-Trichlorobenzene	**0.300**	**0.326**	0.667	0.667	45	49	25 - 90	8	40	
4-Chloro-3-methylphenol	**0.927**	**0.961**	1.33	1.33	70	72	44 - 106	4	31	
Acenaphthene	**0.408**	**0.430**	0.667	0.667	61	64	39 - 93	5	28	
4-Nitrophenol	**1.03**	**0.999**	1.33	1.33	77	75	30 - 124	3	31	
2,4-Dinitrotoluene	**0.496**	**0.485**	0.667	0.667	74	73	53 - 109	2	34	
Pentachlorophenol	**1.14**	**1.07**	1.33	1.33	86	80	47 - 122	6	33	
Pyrene	**0.527**	**0.514**	0.667	0.667	79	77	55 - 108	2	29	
Surrogate:										
2-Fluorophenol					*43*	*48*	*19 - 97*			
Phenol-d6					*45*	*50*	*22 - 108*			
Nitrobenzene-d5					*48*	*55*	*21 - 106*			
2-Fluorobiphenyl					*58*	*64*	*29 - 107*			
2,4,6-Tribromophenol					*79*	*78*	*44 - 121*			
Terphenyl-d14					*79*	*78*	*37 - 120*			

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

Page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-2-0809-W**					
Laboratory ID:	08-035-07					
N-Nitrosodimethylamine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Pyridine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Phenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Aniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Chlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Benzyl alcohol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
N-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Hexachloroethane	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Nitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Isophorone	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Naphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Chloroaniline	**ND**	10	EPA 8270	8-11-09	8-12-09	
Hexachlorobutadiene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Chloronaphthalene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Dimethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
3-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-2-0809-W**					
Laboratory ID:	08-035-07					
2,4-Dinitrophenol	**ND**	10	EPA 8270	8-11-09	8-12-09	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Dibenzofuran	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Diethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Fluorene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4,6-Dinitro-2-methylphenol	**ND**	5.2	EPA 8270	8-11-09	8-12-09	
N-Nitrosodiphenylamine	**ND**	10	EPA 8270	8-11-09	8-12-09	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Hexachlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Pentachlorophenol	**ND**	5.2	EPA 8270	8-11-09	8-12-09	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Anthracene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Carbazole	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Di-n-butylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Benzidine	**ND**	10	EPA 8270	8-11-09	8-12-09	
Pyrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Butylbenzylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis-2-Ethylhexyladipate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
3,3'-Dichlorobenzidine	**ND**	10	EPA 8270	8-11-09	8-12-09	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Chrysene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
bis(2-Ethylhexyl)phthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Di-n-octylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*49*	*12 - 91*				
Phenol-d6	*44*	*10 - 102*				
Nitrobenzene-d5	*62*	*27 - 115*				
2-Fluorobiphenyl	*55*	*37 - 111*				
2,4,6-Tribromophenol	*71*	*48 - 121*				
Terphenyl-d14	*69*	*47 - 116*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

Page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-1-0809-W**					
Laboratory ID:	08-035-08					
N-Nitrosodimethylamine	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Pyridine	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Phenol	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Aniline	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroethyl)ether	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2-Chlorophenol	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
1,3-Dichlorobenzene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
1,4-Dichlorobenzene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Benzyl alcohol	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
1,2-Dichlorobenzene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2-Methylphenol (o-Cresol)	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroisopropyl)ether	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
N-Nitroso-di-n-propylamine	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Hexachloroethane	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Nitrobenzene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Isophorone	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2-Nitrophenol	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2,4-Dimethylphenol	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroethoxy)methane	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2,4-Dichlorophenol	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
1,2,4-Trichlorobenzene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Naphthalene	**ND**	0.13	EPA 8270/SIM	8-11-09	8-12-09	
4-Chloroaniline	**ND**	13	EPA 8270	8-11-09	8-12-09	
Hexachlorobutadiene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
4-Chloro-3-methylphenol	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2-Methylnaphthalene	**ND**	0.13	EPA 8270/SIM	8-11-09	8-12-09	
1-Methylnaphthalene	**ND**	0.13	EPA 8270/SIM	8-11-09	8-12-09	
Hexachlorocyclopentadiene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2,4,6-Trichlorophenol	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2,3-Dichloroaniline	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2,4,5-Trichlorophenol	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2-Chloronaphthalene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2-Nitroaniline	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
1,4-Dinitrobenzene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Dimethylphthalate	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
1,3-Dinitrobenzene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2,6-Dinitrotoluene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
1,2-Dinitrobenzene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Acenaphthylene	**ND**	0.13	EPA 8270/SIM	8-11-09	8-12-09	
3-Nitroaniline	**ND**	1.3	EPA 8270	8-11-09	8-12-09	

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-1-0809-W**					
Laboratory ID:	08-035-08					
2,4-Dinitrophenol	**ND**	13	EPA 8270	8-11-09	8-12-09	
Acenaphthene	**ND**	0.13	EPA 8270/SIM	8-11-09	8-12-09	
4-Nitrophenol	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2,4-Dinitrotoluene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Dibenzofuran	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2,3,5,6-Tetrachlorophenol	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2,3,4,6-Tetrachlorophenol	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Diethylphthalate	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
4-Chlorophenyl-phenylether	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
4-Nitroaniline	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Fluorene	**ND**	0.13	EPA 8270/SIM	8-11-09	8-12-09	
4,6-Dinitro-2-methylphenol	**ND**	6.6	EPA 8270	8-11-09	8-12-09	
N-Nitrosodiphenylamine	**ND**	13	EPA 8270	8-11-09	8-12-09	
1,2-Diphenylhydrazine	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
4-Bromophenyl-phenylether	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Hexachlorobenzene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Pentachlorophenol	**ND**	6.6	EPA 8270	8-11-09	8-12-09	
Phenanthrene	**ND**	0.13	EPA 8270/SIM	8-11-09	8-12-09	
Anthracene	**ND**	0.13	EPA 8270/SIM	8-11-09	8-12-09	
Carbazole	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Di-n-butylphthalate	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Fluoranthene	**ND**	0.13	EPA 8270/SIM	8-11-09	8-12-09	
Benzidine	**ND**	13	EPA 8270	8-11-09	8-12-09	
Pyrene	**ND**	0.13	EPA 8270/SIM	8-11-09	8-12-09	
Butylbenzylphthalate	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
bis-2-Ethylhexyladipate	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
3,3'-Dichlorobenzidine	**ND**	13	EPA 8270	8-11-09	8-12-09	
Benzo[a]anthracene	**ND**	0.013	EPA 8270/SIM	8-11-09	8-12-09	
Chrysene	**ND**	0.013	EPA 8270/SIM	8-11-09	8-12-09	
bis(2-Ethylhexyl)phthalate	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Di-n-octylphthalate	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Benzo[b]fluoranthene	**ND**	0.013	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[k]fluoranthene	**ND**	0.013	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[a]pyrene	**ND**	0.013	EPA 8270/SIM	8-11-09	8-12-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.013	EPA 8270/SIM	8-11-09	8-12-09	
Dibenz[a,h]anthracene	**ND**	0.013	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[g,h,i]perylene	**ND**	0.013	EPA 8270/SIM	8-11-09	8-12-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*38*	*12 - 91*				
Phenol-d6	*37*	*10 - 102*				
Nitrobenzene-d5	*50*	*27 - 115*				
2-Fluorobiphenyl	*48*	*37 - 111*				
2,4,6-Tribromophenol	*64*	*48 - 121*				
Terphenyl-d14	*63*	*47 - 116*				

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-9-0809-W**					
Laboratory ID:	08-035-09					
N-Nitrosodimethylamine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Pyridine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Phenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Aniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Chlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Benzyl alcohol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
N-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Hexachloroethane	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Nitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Isophorone	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Naphthalene	**0.77**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Chloroaniline	**ND**	10	EPA 8270	8-11-09	8-12-09	
Hexachlorobutadiene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Methylnaphthalene	**0.27**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
1-Methylnaphthalene	**0.45**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Chloronaphthalene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,4-Dinitrobenzene	**1.6**	1.0	EPA 8270	8-11-09	8-12-09	
Dimethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
3-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-9-0809-W**					
Laboratory ID:	08-035-09					
2,4-Dinitrophenol	**ND**	10	EPA 8270	8-11-09	8-12-09	
Acenaphthene	**0.33**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Dibenzofuran	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Diethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Fluorene	**0.14**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4,6-Dinitro-2-methylphenol	**ND**	5.0	EPA 8270	8-11-09	8-12-09	
N-Nitrosodiphenylamine	**ND**	10	EPA 8270	8-11-09	8-12-09	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Hexachlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Pentachlorophenol	**ND**	5.0	EPA 8270	8-11-09	8-12-09	
Phenanthrene	**0.12**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Anthracene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Carbazole	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Di-n-butylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Benzidine	**ND**	10	EPA 8270	8-11-09	8-12-09	
Pyrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Butylbenzylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis-2-Ethylhexyladipate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
3,3'-Dichlorobenzidine	**ND**	10	EPA 8270	8-11-09	8-12-09	
Benzo[a]anthracene	**0.021**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Chrysene	**0.020**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
bis(2-Ethylhexyl)phthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Di-n-octylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Benzo[b]fluoranthene	**0.020**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[a]pyrene	**0.014**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[g,h,i]perylene	**0.010**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*34*	*12 - 91*				
Phenol-d6	*30*	*10 - 102*				
Nitrobenzene-d5	*43*	*27 - 115*				
2-Fluorobiphenyl	*45*	*37 - 111*				
2,4,6-Tribromophenol	*71*	*48 - 121*				
Terphenyl-d14	*65*	*47 - 116*				

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0811W1					
N-Nitrosodimethylamine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Pyridine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Phenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Aniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Chlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Benzyl alcohol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
N-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Hexachloroethane	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Nitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Isophorone	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Naphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Chloroaniline	**ND**	10	EPA 8270	8-11-09	8-12-09	
Hexachlorobutadiene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Chloronaphthalene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Dimethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
3-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0811W1					
2,4-Dinitrophenol	**ND**	10	EPA 8270	8-11-09	8-12-09	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Dibenzofuran	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Diethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Fluorene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4,6-Dinitro-2-methylphenol	**ND**	5.0	EPA 8270	8-11-09	8-12-09	
N-Nitrosodiphenylamine	**ND**	10	EPA 8270	8-11-09	8-12-09	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Hexachlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Pentachlorophenol	**ND**	5.0	EPA 8270	8-11-09	8-12-09	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Anthracene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Carbazole	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Di-n-butylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Benzidine	**ND**	10	EPA 8270	8-11-09	8-12-09	
Pyrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Butylbenzylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis-2-Ethylhexyladipate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
3,3'-Dichlorobenzidine	**ND**	10	EPA 8270	8-11-09	8-12-09	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Chrysene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
bis(2-Ethylhexyl)phthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Di-n-octylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*32*	*12 - 91*				
Phenol-d6	*29*	*10 - 102*				
Nitrobenzene-d5	*77*	*27 - 115*				
2-Fluorobiphenyl	*69*	*37 - 111*				
2,4,6-Tribromophenol	*56*	*48 - 121*				
Terphenyl-d14	*83*	*47 - 116*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0811W1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**15.5**	**14.0**	40.0	40.0	39	35	17 - 69	10	34	
2-Chlorophenol	**27.7**	**24.2**	40.0	40.0	69	61	36 - 104	13	36	
1,4-Dichlorobenzene	**12.8**	**10.8**	20.0	20.0	64	54	29 - 90	17	34	
N-Nitroso-di-n-propylamine	**12.3**	**11.3**	20.0	20.0	62	57	34 - 101	8	38	
1,2,4-Trichlorobenzene	**13.2**	**11.9**	20.0	20.0	66	60	30 - 97	10	42	
4-Chloro-3-methylphenol	**30.0**	**29.8**	40.0	40.0	75	75	56 - 106	1	26	
Acenaphthene	**14.5**	**14.2**	20.0	20.0	73	71	46 - 94	2	34	
4-Nitrophenol	**21.1**	**22.8**	40.0	40.0	53	57	17 - 100	8	38	
2,4-Dinitrotoluene	**17.5**	**18.6**	20.0	20.0	88	93	50 - 121	6	18	
Pentachlorophenol	**36.5**	**38.2**	40.0	40.0	91	96	37 - 132	5	32	
Pyrene	**16.9**	**17.8**	20.0	20.0	85	89	65 - 108	5	18	
Surrogate:										
2-Fluorophenol					*47*	*40*	*12 - 91*			
Phenol-d6					*34*	*31*	*10 - 102*			
Nitrobenzene-d5					*69*	*63*	*27 - 115*			
2-Fluorobiphenyl					*68*	*65*	*37 - 111*			
2,4,6-Tribromophenol					*81*	*83*	*48 - 121*			
Terphenyl-d14					*82*	*85*	*47 - 116*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 7, 2009
Samples Submitted: August 5, 2009
Lab Traveler: 0908-025
Project: 094-09015

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-2-0809-2**					
Laboratory ID:	08-035-01					
Aroclor 1016	**ND**	0.053	EPA 8082	8-6-09	8-6-09	
Aroclor 1221	**ND**	0.053	EPA 8082	8-6-09	8-6-09	
Aroclor 1232	**ND**	0.053	EPA 8082	8-6-09	8-6-09	
Aroclor 1242	**ND**	0.053	EPA 8082	8-6-09	8-6-09	
Aroclor 1248	**ND**	0.053	EPA 8082	8-6-09	8-6-09	
Aroclor 1254	**ND**	0.053	EPA 8082	8-6-09	8-6-09	
Aroclor 1260	**ND**	0.053	EPA 8082	8-6-09	8-6-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*88*	*33-122*				
Client ID:	**KM-1-0809-2**					
Laboratory ID:	08-035-03					
Aroclor 1016	**ND**	0.063	EPA 8082	8-6-09	8-6-09	
Aroclor 1221	**ND**	0.063	EPA 8082	8-6-09	8-6-09	
Aroclor 1232	**ND**	0.063	EPA 8082	8-6-09	8-6-09	
Aroclor 1242	**ND**	0.063	EPA 8082	8-6-09	8-6-09	
Aroclor 1248	**ND**	0.063	EPA 8082	8-6-09	8-6-09	
Aroclor 1254	**ND**	0.063	EPA 8082	8-6-09	8-6-09	
Aroclor 1260	**ND**	0.063	EPA 8082	8-6-09	8-6-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*64*	*33-122*				
Client ID:	**KM-9-0809-2**					
Laboratory ID:	08-035-05					
Aroclor 1016	**ND**	0.054	EPA 8082	8-6-09	8-6-09	
Aroclor 1221	**ND**	0.054	EPA 8082	8-6-09	8-6-09	
Aroclor 1232	**ND**	0.054	EPA 8082	8-6-09	8-6-09	
Aroclor 1242	**ND**	0.054	EPA 8082	8-6-09	8-6-09	
Aroclor 1248	**ND**	0.054	EPA 8082	8-6-09	8-6-09	
Aroclor 1254	**ND**	0.054	EPA 8082	8-6-09	8-6-09	
Aroclor 1260	**ND**	0.054	EPA 8082	8-6-09	8-6-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*78*	*33-122*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: August 7, 2009
Samples Submitted: August 5, 2009
Lab Traveler: 0908-025
Project: 094-09015

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0806S1					
Aroclor 1016	**ND**	0.050	EPA 8082	8-6-09	8-6-09	
Aroclor 1221	**ND**	0.050	EPA 8082	8-6-09	8-6-09	
Aroclor 1232	**ND**	0.050	EPA 8082	8-6-09	8-6-09	
Aroclor 1242	**ND**	0.050	EPA 8082	8-6-09	8-6-09	
Aroclor 1248	**ND**	0.050	EPA 8082	8-6-09	8-6-09	
Aroclor 1254	**ND**	0.050	EPA 8082	8-6-09	8-6-09	
Aroclor 1260	**ND**	0.050	EPA 8082	8-6-09	8-6-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*109*	*33-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	08-035-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.358**	**0.383**	0.500	0.500	ND	**72**	**77**	24-125	7	18	
Surrogate:											
DCB						*89*	*88*	*33-122*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 7, 2009
Samples Submitted: August 5, 2009
Lab Traveler: 0908-025
Project: 094-09015

PCBs by EPA 8082

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-2-0809-W**					
Laboratory ID:	08-035-07					
Aroclor 1016	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1221	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1232	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1242	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1248	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1254	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1260	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*86*	*39-128*				
Client ID:	**KM-1-0809-W**					
Laboratory ID:	08-035-08					
Aroclor 1016	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1221	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1232	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1242	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1248	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1254	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1260	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*80*	*39-128*				
Client ID:	**KM-9-0809-W**					
Laboratory ID:	08-035-09					
Aroclor 1016	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1221	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1232	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1242	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1248	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1254	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1260	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*87*	*39-128*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 7, 2009
Samples Submitted: August 5, 2009
Lab Traveler: 0908-025
Project: 094-09015

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0807W1					
Aroclor 1016	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Aroclor 1221	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Aroclor 1232	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Aroclor 1242	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Aroclor 1248	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Aroclor 1254	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Aroclor 1260	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*72*	*39-128*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0807W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.374**	**0.369**	0.500	0.500	N/A	**75**	**74**	58-113	1	11	
Surrogate:											
DCB						*79*	*77*	*39-128*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-6&7-09
Date Analyzed: 8-6&7-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-035-01
Client ID: **KM-2-0809-2**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	11
Cadmium	6010B	**0.73**	0.53
Chromium	6010B	**10**	0.53
Copper	6010B	**21**	1.1
Lead	6010B	**26**	5.3
Mercury	7471A	**ND**	0.26
Nickel	6010B	**9.1**	2.6
Zinc	6010B	**40**	2.6

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-6&7-09
Date Analyzed: 8-6&7-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-035-03
Client ID: **KM-1-0809-2**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	13
Cadmium	6010B	**1.8**	0.63
Chromium	6010B	**17**	0.63
Copper	6010B	**59**	1.3
Lead	6010B	**370**	6.3
Mercury	7471A	**ND**	0.31
Nickel	6010B	**14**	3.1
Zinc	6010B	**150**	3.1

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-6&7-09
Date Analyzed: 8-6&7-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-035-05
Client ID: **KM-9-0809-2**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	11
Cadmium	6010B	**ND**	0.54
Chromium	6010B	**6.2**	0.54
Copper	6010B	**8.5**	1.1
Lead	6010B	**ND**	5.4
Mercury	7471A	**ND**	0.27
Nickel	6010B	**5.9**	2.7
Zinc	6010B	**16**	2.7

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 8-6&7-09
Date Analyzed: 8-6&7-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0806S3&MB0807S2

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Copper	6010B	**ND**	1.0
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Nickel	6010B	**ND**	2.5
Zinc	6010B	**ND**	2.5

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 8-6&7-09
Date Analyzed: 8-6&7-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-044-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**29.3**	**31.0**	6	0.50	
Copper	**16.2**	**16.3**	1	1.0	
Lead	**ND**	**ND**	NA	5.0	
Mercury	**ND**	**ND**	NA	0.25	
Nickel	**31.8**	**31.1**	2	2.5	
Zinc	**36.6**	**40.7**	10	2.5	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 8-6&7-09
Date Analyzed: 8-6&7-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-044-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**92.8**	93	**92.6**	93	0	
Cadmium	50	**48.3**	97	**49.0**	98	2	
Chromium	100	**130**	101	**125**	96	4	
Copper	50	**65.0**	98	**65.1**	98	0	
Lead	250	**241**	97	**246**	98	2	
Mercury	0.50	**0.518**	104	**0.476**	95	8	
Nickel	100	**126**	94	**125**	93	1	
Zinc	100	**133**	96	**130**	94	2	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

TOTAL METALS
EPA 200.8/7470A

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-035-07
Client ID: KM-2-0809-W

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Copper	200.8	**ND**	11
Lead	200.8	**ND**	1.1
Mercury	7470A	**ND**	0.50
Nickel	200.8	**ND**	22
Zinc	200.8	**ND**	28

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

TOTAL METALS
EPA 200.8/7470A

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-035-08
Client ID: KM-1-0809-W

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Copper	200.8	**ND**	11
Lead	200.8	**22**	1.1
Mercury	7470A	**ND**	0.50
Nickel	200.8	**ND**	22
Zinc	200.8	**36**	28

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

TOTAL METALS
EPA 200.8/7470A

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-035-09
Client ID: KM-9-0809-W

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Copper	200.8	**ND**	11
Lead	200.8	**ND**	1.1
Mercury	7470A	**ND**	0.50
Nickel	200.8	**ND**	22
Zinc	200.8	**ND**	28

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

TOTAL METALS
EPA 200.8/7470A
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-10&13-09
Date Analyzed:	8-10&13-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0810W1&MB0813W1

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Copper	200.8	**ND**	11
Lead	200.8	**ND**	1.1
Mercury	7470A	**ND**	0.50
Nickel	200.8	**ND**	22
Zinc	200.8	**ND**	28

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

TOTAL METALS
EPA 200.8/7470A
DUPLICATE QUALITY CONTROL

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-035-09

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	3.3	
Cadmium	**ND**	**ND**	NA	4.4	
Chromium	**ND**	**ND**	NA	11	
Copper	**ND**	**ND**	NA	11	
Lead	**ND**	**ND**	NA	1.1	
Mercury	**ND**	**ND**	NA	0.50	
Nickel	**ND**	**ND**	NA	22	
Zinc	**ND**	**ND**	NA	28	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

TOTAL METALS
EPA 200.8/7470A
MS/MSD QUALITY CONTROL

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-035-09

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	110	**111**	101	**114**	104	3	
Cadmium	110	**113**	103	**116**	105	2	
Chromium	110	**107**	97	**109**	99	2	
Copper	110	**111**	101	**113**	103	2	
Lead	110	**109**	99	**116**	105	6	
Mercury	12.5	**10.8**	86	**10.5**	84	3	
Nickel	110	**106**	97	**109**	99	2	
Zinc	110	**121**	110	**127**	116	6	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Lab Traveler: 0908-035
Project: 14697

% MOISTURE

Date Analyzed: 8-6-09

Client ID	Lab ID	% Moisture
KM-2-0809-2	08-035-01	5
KM-1-0809-2	08-035-03	20
KM-9-0809-2	08-035-05	7

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.

Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: Amec Geomatrix

Project Number: 14697

Project Name: Kelly Moore Paints (KM)

Project Manager: Tasya Gray

Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ Standard (7 working days)
(TPH analysis 5 working days)

☐ _____ (other)

Laboratory Number: 08-035

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	Total Metals As, Cd, Cu, Cr, Pb, Ni, Hg, Zn			HOLD			% Moisture
1	KM-2-0809-2	8/5/09	820	S	6		X	X	X		X		X						X						X
2	KM-2-0809-4.5		825	S	6		X	X	X		X		X						X			X			
3	KM-0809-2		1025	S	6		X	X	X		X		X						X						X
4	KM-1-0809-6		1030	S	6		X	X	X		X		X						X			X			
5	KM-9-0809-2		1315	S	6		X	X	X		X		X						X						X
6	KM-9-0809-6.5		1320	S	6		X	X	X		X		X						X			X			
7	KM-2-0809-W		910	W	10		X	X	X		X		X						X						
8	KM-1-0809-W		1120	W	10		X	X	X		X		X						X						
9	KM-9-0809-W	↓	1355	W	10		X	X	X		X		X						X						

Chris Brown 8/5/09

	Signature	Company	Date	Time
Relinquished by	Chris Brown	Amec GMX	8/5/09	1455
Received by	Jin Kang	Specon	8/5/09	1455
Relinquished by	Jin Kang		8/5/09	1535
Received by		OSE	8/5/09	1535
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions:

* Hold - KM-2-0809-4.5
- KM-1-0809-6
- KM-9-0809-6.5

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

August 31, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0908-035B

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on August 5, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 31, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035B
Project: 14697

Case Narrative

Samples were collected on August 5, 2009, and received by the laboratory on August 5, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 31, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035B
Project: 14697

TOTAL LEAD
EPA 6010B

Date Extracted:	8-27-09
Date Analyzed:	8-27-09
Matrix:	Soil
Units:	mg/kg (ppm)

Client ID	Lab ID	Result	PQL
KM-1-0809-6	08-035-04	**ND**	5.3

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 31, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035B
Project: 14697

TOTAL LEAD
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-27-09
Date Analyzed:	8-27-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0827S2

Analyte	Method	Result	PQL
Lead	6010B	**ND**	5.0

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 31, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035B
Project: 14697

TOTAL LEAD
DUPLICATE QUALITY CONTROL

Date Extracted: 8-27-09
Date Analyzed: 8-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-157-21

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**8.45**	**8.90**	5	5.0	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 31, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035B
Project: 14697

TOTAL LEAD
MS/MSD QUALITY CONTROL

Date Extracted: 8-27-09
Date Analyzed: 8-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-157-21

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	250	**223**	86	**239**	92	7	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 31, 2009
Samples Submitted: August 5, 2009
Lab Traveler: 0908-035B
Project: 14697

% MOISTURE

Date Analyzed: 8-28-09

Client ID	Lab ID	% Moisture
KM-1-0809-6	08-035-04	5

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

August 18, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0908-051

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on August 7, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

Case Narrative

Samples were collected on August 6, 2009, and received by the laboratory on August 7, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Volatiles EPA 8260B (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Internal Standard 1,4-Dichlorobenzene-d4 does not meet acceptance criteria for samples KM-16-0809-4 and KM-15-0809-4 due to sample matrix effects. The samples were re-analyzed with similar results. All results, including Practical Quantitation Limits, from Bromobenzene onward should be considered estimates.

Internal Standards Chlorobenzene-d5 and 1,4-Dichlorobenzene-d4 do not meet acceptance criteria for sample KM-11-0809-2.5 due to sample matrix effects. The sample was re-analyzed with similar results. All results, including Practical Quantitation Limits, from (trans) 1,3-Dichloropropene onward should be considered estimates.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Semivolatiles EPA 8270D/SIM (soil) Analysis

Sample KM-10-0809-2 had one surrogate recovery out of control limits. This is within allowance of our standard operation procedure as long as the recovery is above 10%.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Gx

Date Extracted:	8-10-09					
Date Analyzed:	8-10-09					
Matrix: Soil						
Units: mg/kg (ppm)						
Client ID:	**KM-16-0809-4**			**KM-15-0809-4**		
Lab ID:	08-051-01			08-051-03		
	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**ND**		5.9	**ND**		7.2
Surrogate Recovery:						
Fluorobenzene	90%			89%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Gx

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID:	**KM-14-0809-2**			**KM-13-0809-2**		
Lab ID:	08-051-05			08-051-10		
	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**8.0**	**Z1**	6.7	**ND**		5.4
Surrogate Recovery:						
Fluorobenzene	88%			91%		

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Gx

Date Extracted:	8-10-09	
Date Analyzed:	8-14-09	
Matrix: Soil		
Units: mg/kg (ppm)		
Client ID:	**KM-10-0809-2**	**KM-10-0809-5.5**
Lab ID:	08-051-11	08-051-12

	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**11000**	**Z1**	2100	**5400**	**Z1**	510
Surrogate Recovery:						
Fluorobenzene	---	**S**		---	**S**	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Gx

Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix: Soil	
Units: mg/kg (ppm)	
Client ID:	**KM-11-0809-2.5**
Lab ID:	08-051-14

	Result	Flags	PQL
TPH-Gas	**300**	**Z2**	8.4
Surrogate Recovery:			
Fluorobenzene	100%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix: Soil	
Units: mg/kg (ppm)	
Lab ID:	MB0810S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	88%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	08-051-10 **Original**	08-051-10 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	91%	91%		

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Gx

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Water
Units: ug/L (ppb)

Client ID:	**KM-16-0809-W**			**KM-14-0809-W**		
Lab ID:	08-051-07			08-051-09		
	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**1300**		100	**ND**		100
Surrogate Recovery:						
Fluorobenzene	95%			97%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Gx

Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix: Water	
Units: ug/L (ppb)	
Client ID:	**KM-10-0809-W**
Lab ID:	08-051-13

	Result	Flags	PQL
TPH-Gas	**ND**		100
Surrogate Recovery:			
Fluorobenzene	95%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0810W2

	Result	Flags	PQL
TPH-Gas	**ND**		100

Surrogate Recovery:
Fluorobenzene 94%

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 8-12-09
Date Analyzed: 8-12-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0812W1

	Result	Flags	PQL
TPH-Gas	**ND**		100

Surrogate Recovery:
Fluorobenzene 93%

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 8-10&12-09
Date Analyzed: 8-10&12-09

Matrix: Water
Units: ug/L (ppb)

Lab ID:	08-045-02 **Original**	08-045-02 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	98%	94%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Dx

Date Extracted: 8-13-09
Date Analyzed: 8-13-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID:	**KM-16-0809-4**	**KM-15-0809-4**	**KM-14-0809-2**
Lab ID:	08-051-01	08-051-03	08-051-05
Diesel Range:	**ND**	**38**	**35**
PQL:	27	30	28
Identification:	---	Diesel Range Organics	Diesel Range Organics
Lube Oil Range:	**160**	**210**	**130**
PQL:	54	60	56
Identification:	Lube Oil	Lube Oil	Lube Oil
Surrogate Recovery			
o-Terphenyl:	95%	100%	83%
Flags:	Y	Y	Y

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Dx

Date Extracted: 8-13-09
Date Analyzed: 8-13-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID:	**KM-13-0809-2**	**KM-10-0809-2**	**KM-10-0809-5.5**
Lab ID:	08-051-10	08-051-11	08-051-12
Diesel Range:	**ND**	**5600**	**2700**
PQL:	26	130	27
Identification:	---	Diesel Range Organics	Diesel Range Organics
Lube Oil Range:	**ND**	**2200**	**280**
PQL:	53	260	53
Identification:	---	Lube Oil	Lube Oil
Surrogate Recovery			
o-Terphenyl:	97%	112%	97%
Flags:	Y	Y,M,N1	Y,M,N1

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Dx

Date Extracted:	8-13-09
Date Analyzed:	8-13-09
Matrix:	Soil
Units:	mg/kg (ppm)
Client ID:	**KM-11-0809-2.5**
Lab ID:	08-051-14
Diesel Range:	**1100**
PQL:	32
Identification:	Diesel Range Organics
Lube Oil Range:	**440**
PQL:	63
Identification:	Lube Oil
Surrogate Recovery	
o-Terphenyl:	89%
Flags:	Y,M,N1

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
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NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-13-09
Date Analyzed:	8-13-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0813S2
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	91%
Flags:	Y

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Date of Report: August 18, 2009
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NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	8-13-09
Date Analyzed:	8-13-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	08-051-10	08-051-10 DUP
Diesel Range:	**ND**	**ND**
PQL:	25	25
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	97%	88%
Flags:	Y	Y

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NWTPH-Dx

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Water
Units: mg/L (ppm)

Client ID:	**KM-16-0809-W**	**KM-14-0809-W**	**KM-10-0809-W**
Lab ID:	08-051-07	08-051-09	08-051-13
Diesel Range:	**ND**	**ND**	**ND**
PQL:	0.28	0.28	0.27
Identification:	---	---	---
Lube Oil Range:	**ND**	**ND**	**ND**
PQL:	0.45	0.44	0.44
Identification:	---	---	---
Surrogate Recovery			
o-Terphenyl:	75%	80%	89%
Flags:	Y	Y	Y

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
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NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Water
Units:	mg/L (ppm)
Lab ID:	MB0810W1
Diesel Range:	**ND**
PQL:	0.25
Identification:	---
Lube Oil Range:	**ND**
PQL:	0.40
Identification:	---
Surrogate Recovery	
o-Terphenyl:	83%
Flags:	Y

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NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Water
Units:	mg/L (ppm)

Lab ID:	08-035-08	08-035-08 DUP
Diesel Range:	**ND**	**ND**
PQL:	0.27	0.28
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	78%	93%
Flags:	Y	Y

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Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-051-01
Client ID:	**KM-16-0809-4**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0013
Chloromethane	ND		0.0064
Vinyl Chloride	ND		0.0013
Bromomethane	ND		0.0013
Chloroethane	ND		0.0064
Trichlorofluoromethane	0.0020		0.0013
1,1-Dichloroethene	ND		0.0013
Acetone	ND		0.0064
Iodomethane	ND		0.0064
Carbon Disulfide	ND		0.0013
Methylene Chloride	ND		0.0064
(trans) 1,2-Dichloroethene	ND		0.0013
Methyl t-Butyl Ether	ND		0.0013
1,1-Dichloroethane	ND		0.0013
Vinyl Acetate	ND		0.0064
2,2-Dichloropropane	ND		0.0013
(cis) 1,2-Dichloroethene	ND		0.0013
2-Butanone	ND		0.0064
Bromochloromethane	ND		0.0013
Chloroform	ND		0.0013
1,1,1-Trichloroethane	ND		0.0013
Carbon Tetrachloride	ND		0.0013
1,1-Dichloropropene	ND		0.0013
Benzene	ND		0.0013
1,2-Dichloroethane	ND		0.0013
Trichloroethene	0.011		0.0013
1,2-Dichloropropane	ND		0.0013
Dibromomethane	ND		0.0013
Bromodichloromethane	ND		0.0013
2-Chloroethyl Vinyl Ether	ND		0.0064
(cis) 1,3-Dichloropropene	ND		0.0013
Methyl Isobutyl Ketone	ND		0.0064
Toluene	ND		0.0064
(trans) 1,3-Dichloropropene	ND		0.0013

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Lab ID: 08-051-01
Client ID: KM-16-0809-4

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0013
Tetrachloroethene	ND		0.0013
1,3-Dichloropropane	ND		0.0013
2-Hexanone	ND		0.0064
Dibromochloromethane	ND		0.0013
1,2-Dibromoethane	ND		0.0013
Chlorobenzene	ND		0.0013
1,1,1,2-Tetrachloroethane	ND		0.0013
Ethylbenzene	ND		0.0013
m,p-Xylene	ND		0.0026
o-Xylene	ND		0.0013
Styrene	ND		0.0013
Bromoform	ND		0.0013
Isopropylbenzene	ND		0.0013
Bromobenzene	ND	J	0.0013
1,1,2,2-Tetrachloroethane	ND		0.0013
1,2,3-Trichloropropane	ND		0.0013
n-Propylbenzene	ND		0.0013
2-Chlorotoluene	ND		0.0013
4-Chlorotoluene	ND		0.0013
1,3,5-Trimethylbenzene	ND		0.0013
tert-Butylbenzene	ND		0.0013
1,2,4-Trimethylbenzene	ND		0.0013
sec-Butylbenzene	ND		0.0013
1,3-Dichlorobenzene	ND		0.0013
p-Isopropyltoluene	ND		0.0013
1,4-Dichlorobenzene	ND		0.0013
1,2-Dichlorobenzene	ND		0.0013
n-Butylbenzene	ND		0.0013
1,2-Dibromo-3-chloropropane	ND		0.0064
1,2,4-Trichlorobenzene	ND		0.0013
Hexachlorobutadiene	ND		0.0064
Naphthalene	ND		0.0013
1,2,3-Trichlorobenzene	ND		0.0013

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	82	55-125
Toluene-d8	86	56-127
4-Bromofluorobenzene	88	54-130

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Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-051-03
Client ID:	**KM-15-0809-4**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0059
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0059
Trichlorofluoromethane	0.0024		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	ND		0.0059
Iodomethane	ND		0.0059
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0059
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0059
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	ND		0.0059
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0059
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0059
Toluene	ND		0.0059
(trans) 1,3-Dichloropropene	ND		0.0012

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Lab ID: 08-051-03
Client ID: KM-15-0809-4

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	0.0043		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0059
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0024
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0059
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0059
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	82	55-125
Toluene-d8	86	56-127
4-Bromofluorobenzene	82	54-130

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Date Extracted:	8-7-09
Date Analyzed:	8-7-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-051-05
Client ID:	**KM-14-0809-2**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0051
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0051
Trichlorofluoromethane	0.0021		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0051
Iodomethane	ND		0.0051
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0051
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0051
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0051
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0051
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0051
Toluene	ND		0.0051
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: 08-051-05
Client ID: KM-14-0809-2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0051
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0051
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0051
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	78	55-125
Toluene-d8	85	56-127
4-Bromofluorobenzene	99	54-130

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Date Extracted:	8-7-09
Date Analyzed:	8-7-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-051-10
Client ID:	**KM-13-0809-2**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.00097
Chloromethane	ND		0.0049
Vinyl Chloride	ND		0.00097
Bromomethane	ND		0.00097
Chloroethane	ND		0.0049
Trichlorofluoromethane	ND		0.00097
1,1-Dichloroethene	ND		0.00097
Acetone	ND		0.0049
Iodomethane	ND		0.0049
Carbon Disulfide	ND		0.00097
Methylene Chloride	ND		0.0049
(trans) 1,2-Dichloroethene	ND		0.00097
Methyl t-Butyl Ether	ND		0.00097
1,1-Dichloroethane	ND		0.00097
Vinyl Acetate	ND		0.0049
2,2-Dichloropropane	ND		0.00097
(cis) 1,2-Dichloroethene	ND		0.00097
2-Butanone	ND		0.0049
Bromochloromethane	ND		0.00097
Chloroform	ND		0.00097
1,1,1-Trichloroethane	ND		0.00097
Carbon Tetrachloride	ND		0.00097
1,1-Dichloropropene	ND		0.00097
Benzene	ND		0.00097
1,2-Dichloroethane	ND		0.00097
Trichloroethene	ND		0.00097
1,2-Dichloropropane	ND		0.00097
Dibromomethane	ND		0.00097
Bromodichloromethane	ND		0.00097
2-Chloroethyl Vinyl Ether	ND		0.0049
(cis) 1,3-Dichloropropene	ND		0.00097
Methyl Isobutyl Ketone	ND		0.0049
Toluene	ND		0.0049
(trans) 1,3-Dichloropropene	ND		0.00097

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Lab ID: 08-051-10
Client ID: KM-13-0809-2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.00097
Tetrachloroethene	ND		0.00097
1,3-Dichloropropane	ND		0.00097
2-Hexanone	ND		0.0049
Dibromochloromethane	ND		0.00097
1,2-Dibromoethane	ND		0.00097
Chlorobenzene	ND		0.00097
1,1,1,2-Tetrachloroethane	ND		0.00097
Ethylbenzene	ND		0.00097
m,p-Xylene	ND		0.0019
o-Xylene	ND		0.00097
Styrene	ND		0.00097
Bromoform	ND		0.00097
Isopropylbenzene	ND		0.00097
Bromobenzene	ND		0.00097
1,1,2,2-Tetrachloroethane	ND		0.00097
1,2,3-Trichloropropane	ND		0.00097
n-Propylbenzene	ND		0.00097
2-Chlorotoluene	ND		0.00097
4-Chlorotoluene	ND		0.00097
1,3,5-Trimethylbenzene	ND		0.00097
tert-Butylbenzene	ND		0.00097
1,2,4-Trimethylbenzene	ND		0.00097
sec-Butylbenzene	ND		0.00097
1,3-Dichlorobenzene	ND		0.00097
p-Isopropyltoluene	ND		0.00097
1,4-Dichlorobenzene	ND		0.00097
1,2-Dichlorobenzene	ND		0.00097
n-Butylbenzene	ND		0.00097
1,2-Dibromo-3-chloropropane	ND		0.0049
1,2,4-Trichlorobenzene	ND		0.00097
Hexachlorobutadiene	ND		0.0049
Naphthalene	ND		0.00097
1,2,3-Trichlorobenzene	ND		0.00097

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	80	55-125
Toluene-d8	85	56-127
4-Bromofluorobenzene	111	54-130

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Date Extracted:	8-7-09
Date Analyzed:	8-10-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-051-11
Client ID:	**KM-10-0809-2**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		1.2
Chloromethane	ND		5.8
Vinyl Chloride	ND		1.2
Bromomethane	ND		1.2
Chloroethane	ND		5.8
Trichlorofluoromethane	ND		1.2
1,1-Dichloroethene	ND		1.2
Acetone	ND		5.8
Iodomethane	ND		5.8
Carbon Disulfide	ND		1.2
Methylene Chloride	ND		5.8
(trans) 1,2-Dichloroethene	ND		1.2
Methyl t-Butyl Ether	ND		1.2
1,1-Dichloroethane	ND		1.2
Vinyl Acetate	ND		5.8
2,2-Dichloropropane	ND		1.2
(cis) 1,2-Dichloroethene	ND		1.2
2-Butanone	ND		5.8
Bromochloromethane	ND		1.2
Chloroform	ND		1.2
1,1,1-Trichloroethane	ND		1.2
Carbon Tetrachloride	ND		1.2
1,1-Dichloropropene	ND		1.2
Benzene	ND		1.2
1,2-Dichloroethane	ND		1.2
Trichloroethene	ND		1.2
1,2-Dichloropropane	ND		1.2
Dibromomethane	ND		1.2
Bromodichloromethane	ND		1.2
2-Chloroethyl Vinyl Ether	ND		5.8
(cis) 1,3-Dichloropropene	ND		1.2
Methyl Isobutyl Ketone	ND		5.8
Toluene	37		5.8
(trans) 1,3-Dichloropropene	ND		1.2

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Lab ID: 08-051-11
Client ID: KM-10-0809-2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		1.2
Tetrachloroethene	ND		1.2
1,3-Dichloropropane	ND		1.2
2-Hexanone	ND		5.8
Dibromochloromethane	ND		1.2
1,2-Dibromoethane	ND		1.2
Chlorobenzene	ND		1.2
1,1,1,2-Tetrachloroethane	ND		1.2
Ethylbenzene	440		12
m,p-Xylene	2400		23
o-Xylene	660		12
Styrene	ND		1.2
Bromoform	ND		1.2
Isopropylbenzene	13		1.2
Bromobenzene	ND		1.2
1,1,2,2-Tetrachloroethane	ND		1.2
1,2,3-Trichloropropane	ND		1.2
n-Propylbenzene	17		1.2
2-Chlorotoluene	ND		1.2
4-Chlorotoluene	ND		1.2
1,3,5-Trimethylbenzene	39		1.2
tert-Butylbenzene	ND		1.2
1,2,4-Trimethylbenzene	120		1.2
sec-Butylbenzene	7.3		1.2
1,3-Dichlorobenzene	ND		1.2
p-Isopropyltoluene	9.7		1.2
1,4-Dichlorobenzene	ND		1.2
1,2-Dichlorobenzene	ND		1.2
n-Butylbenzene	13		1.2
1,2-Dibromo-3-chloropropane	ND		5.8
1,2,4-Trichlorobenzene	ND		1.2
Hexachlorobutadiene	ND		5.8
Naphthalene	150		1.2
1,2,3-Trichlorobenzene	ND		1.2

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	79	55-125
Toluene-d8	85	56-127
4-Bromofluorobenzene	118	54-130

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Laboratory Reference: 0908-051
Project: 14697

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Date Extracted:	8-7-09
Date Analyzed:	8-10-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-051-12
Client ID:	**KM-10-0809-5.5**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.31
Chloromethane	ND		1.6
Vinyl Chloride	ND		0.31
Bromomethane	ND		0.31
Chloroethane	ND		1.6
Trichlorofluoromethane	ND		0.31
1,1-Dichloroethene	ND		0.31
Acetone	ND		1.6
Iodomethane	ND		1.6
Carbon Disulfide	ND		0.31
Methylene Chloride	ND		1.6
(trans) 1,2-Dichloroethene	ND		0.31
Methyl t-Butyl Ether	ND		0.31
1,1-Dichloroethane	ND		0.31
Vinyl Acetate	ND		1.6
2,2-Dichloropropane	ND		0.31
(cis) 1,2-Dichloroethene	ND		0.31
2-Butanone	ND		1.6
Bromochloromethane	ND		0.31
Chloroform	ND		0.31
1,1,1-Trichloroethane	ND		0.31
Carbon Tetrachloride	ND		0.31
1,1-Dichloropropene	ND		0.31
Benzene	ND		0.31
1,2-Dichloroethane	ND		0.31
Trichloroethene	ND		0.31
1,2-Dichloropropane	ND		0.31
Dibromomethane	ND		0.31
Bromodichloromethane	ND		0.31
2-Chloroethyl Vinyl Ether	ND		1.6
(cis) 1,3-Dichloropropene	ND		0.31
Methyl Isobutyl Ketone	ND		1.6
Toluene	ND		1.6
(trans) 1,3-Dichloropropene	ND		0.31

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

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Lab ID: 08-051-12
Client ID: KM-10-0809-5.5

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.31
Tetrachloroethene	ND		0.31
1,3-Dichloropropane	ND		0.31
2-Hexanone	ND		1.6
Dibromochloromethane	ND		0.31
1,2-Dibromoethane	ND		0.31
Chlorobenzene	ND		0.31
1,1,1,2-Tetrachloroethane	ND		0.31
Ethylbenzene	2.6		0.31
m,p-Xylene	11		0.63
o-Xylene	2.7		0.31
Styrene	ND		0.31
Bromoform	ND		0.31
Isopropylbenzene	2.7		0.31
Bromobenzene	ND		0.31
1,1,2,2-Tetrachloroethane	ND		0.31
1,2,3-Trichloropropane	ND		0.31
n-Propylbenzene	3.6		0.31
2-Chlorotoluene	ND		0.31
4-Chlorotoluene	ND		0.31
1,3,5-Trimethylbenzene	ND		0.31
tert-Butylbenzene	ND		0.31
1,2,4-Trimethylbenzene	0.50		0.31
sec-Butylbenzene	1.1		0.31
1,3-Dichlorobenzene	ND		0.31
p-Isopropyltoluene	ND		0.31
1,4-Dichlorobenzene	ND		0.31
1,2-Dichlorobenzene	ND		0.31
n-Butylbenzene	1.8		0.31
1,2-Dibromo-3-chloropropane	ND		1.6
1,2,4-Trichlorobenzene	ND		0.31
Hexachlorobutadiene	ND		1.6
Naphthalene	1.9		0.31
1,2,3-Trichlorobenzene	ND		0.31

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	69	55-125
Toluene-d8	81	56-127
4-Bromofluorobenzene	114	54-130

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Date Extracted:	8-7-09
Date Analyzed:	8-7-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-051-14
Client ID:	**KM-11-0809-2.5**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0018
Chloromethane	ND		0.0091
Vinyl Chloride	ND		0.0018
Bromomethane	ND		0.0018
Chloroethane	ND		0.0091
Trichlorofluoromethane	0.0042		0.0018
1,1-Dichloroethene	ND		0.0018
Acetone	0.35		0.0091
Iodomethane	ND		0.0091
Carbon Disulfide	ND		0.0018
Methylene Chloride	ND		0.0091
(trans) 1,2-Dichloroethene	ND		0.0018
Methyl t-Butyl Ether	ND		0.0018
1,1-Dichloroethane	0.020		0.0018
Vinyl Acetate	ND		0.0091
2,2-Dichloropropane	ND		0.0018
(cis) 1,2-Dichloroethene	ND		0.0018
2-Butanone	ND		0.0091
Bromochloromethane	ND		0.0018
Chloroform	ND		0.0018
1,1,1-Trichloroethane	ND		0.0018
Carbon Tetrachloride	ND		0.0018
1,1-Dichloropropene	ND		0.0018
Benzene	0.0064		0.0018
1,2-Dichloroethane	ND		0.0018
Trichloroethene	ND		0.0018
1,2-Dichloropropane	ND		0.0018
Dibromomethane	ND		0.0018
Bromodichloromethane	ND		0.0018
2-Chloroethyl Vinyl Ether	ND		0.0091
(cis) 1,3-Dichloropropene	ND		0.0018
Methyl Isobutyl Ketone	ND		0.0091
Toluene	ND		0.0091
(trans) 1,3-Dichloropropene	ND J		0.0018

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Lab ID: 08-051-14
Client ID: KM-11-0809-2.5

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND	J	0.0018
Tetrachloroethene	ND		0.0018
1,3-Dichloropropane	ND		0.0018
2-Hexanone	ND		0.0091
Dibromochloromethane	ND		0.0018
1,2-Dibromoethane	ND		0.0018
Chlorobenzene	ND		0.0018
1,1,1,2-Tetrachloroethane	ND		0.0018
Ethylbenzene	0.0032		0.0018
m,p-Xylene	0.021		0.0037
o-Xylene	0.0056		0.0018
Styrene	ND		0.0018
Bromoform	ND		0.0018
Isopropylbenzene	ND		0.0018
Bromobenzene	ND		0.0018
1,1,2,2-Tetrachloroethane	ND		0.0018
1,2,3-Trichloropropane	ND		0.0018
n-Propylbenzene	ND		0.0018
2-Chlorotoluene	ND		0.0018
4-Chlorotoluene	ND		0.0018
1,3,5-Trimethylbenzene	ND		0.0018
tert-Butylbenzene	0.0072		0.0018
1,2,4-Trimethylbenzene	0.0088		0.0018
sec-Butylbenzene	0.0079		0.0018
1,3-Dichlorobenzene	ND		0.0018
p-Isopropyltoluene	0.0060		0.0018
1,4-Dichlorobenzene	ND		0.0018
1,2-Dichlorobenzene	ND		0.0018
n-Butylbenzene	ND		0.0018
1,2-Dibromo-3-chloropropane	ND		0.0091
1,2,4-Trichlorobenzene	ND		0.0018
Hexachlorobutadiene	ND		0.0091
Naphthalene	ND		0.0018
1,2,3-Trichlorobenzene	ND		0.0018

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	86	55-125
Toluene-d8	73	56-127
4-Bromofluorobenzene	91	54-130

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METHOD BLANK QUALITY CONTROL
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Date Extracted:	8-7-09
Date Analyzed:	8-7-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0807S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Samples Submitted: August 7, 2009
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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Lab ID: MB0807S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	78	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	111	54-130

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Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0810S2

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: MB0810S2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	78	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	118	54-130

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 8-7-09
Date Analyzed: 8-7-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB0807S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0386	77	0.0384	77	70-130	
Benzene	0.0500	0.0360	72	0.0355	71	70-128	
Trichloroethene	0.0500	0.0395	79	0.0403	81	70-124	
Toluene	0.0500	0.0403	81	0.0387	77	73-123	
Chlorobenzene	0.0500	0.0517	103	0.0511	102	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	0	16	
Benzene	1	15	
Trichloroethene	2	14	
Toluene	4	14	
Chlorobenzene	1	13	

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB0810S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0393	79	0.0393	79	70-130	
Benzene	0.0500	0.0355	71	0.0353	71	70-128	
Trichloroethene	0.0500	0.0372	74	0.0391	78	70-124	
Toluene	0.0500	0.0373	75	0.0382	76	73-123	
Chlorobenzene	0.0500	0.0489	98	0.0497	99	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	0	16	
Benzene	1	15	
Trichloroethene	5	14	
Toluene	2	14	
Chlorobenzene	2	13	

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and is intended only for the use of the individual or company to whom it is addressed.

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Date Extracted:	8-7-09
Date Analyzed:	8-7-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	08-051-07
Client ID:	**KM-16-0809-W**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.40
Chloromethane	ND		2.0
Vinyl Chloride	3.8		0.40
Bromomethane	ND		0.40
Chloroethane	ND		2.0
Trichlorofluoromethane	ND		0.40
1,1-Dichloroethene	ND		0.40
Acetone	ND		10
Iodomethane	ND		2.0
Carbon Disulfide	ND		0.40
Methylene Chloride	ND		2.0
(trans) 1,2-dichloroethene	ND		0.40
Methyl t-Butyl Ether	ND		0.40
1,1-Dichloroethane	0.59		0.40
Vinyl Acetate	ND		4.0
2,2-Dichloropropane	ND		0.40
(cis) 1,2-Dichloroethene	8.9		0.40
2-Butanone	ND		10
Bromochloromethane	ND		0.40
Chloroform	ND		0.40
1,1,1-Trichloroethane	ND		0.40
Carbon Tetrachloride	ND		0.40
1,1-Dichloropropene	ND		0.40
Benzene	ND		0.40
1,2-Dichloroethane	ND		0.40
Trichloroethene	0.60		0.40
1,2-Dichloropropane	ND		0.40
Dibromomethane	ND		0.40
Bromodichloromethane	ND		0.40
2-Chloroethyl Vinyl Ether	ND		2.0
(cis) 1,3-Dichloropropene	ND		0.40
Methyl Isobutyl Ketone	ND		4.0
Toluene	12		2.0
(trans) 1,3-Dichloropropene	ND		0.40

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
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Lab ID: 08-051-07
Client ID: KM-16-0809-W

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.40
Tetrachloroethene	ND		0.40
1,3-Dichloropropane	ND		0.40
2-Hexanone	ND		4.0
Dibromochloromethane	ND		0.40
1,2-Dibromoethane	ND		0.40
Chlorobenzene	ND		0.40
1,1,1,2-Tetrachloroethane	ND		0.40
Ethylbenzene	93		0.40
m,p-Xylene	47		0.80
o-Xylene	5.6		0.40
Styrene	ND		0.40
Bromoform	ND		2.0
Isopropylbenzene	21		0.40
Bromobenzene	ND		0.40
1,1,2,2-Tetrachloroethane	ND		0.40
1,2,3-Trichloropropane	ND		0.40
n-Propylbenzene	28		0.40
2-Chlorotoluene	ND		0.40
4-Chlorotoluene	ND		0.40
1,3,5-Trimethylbenzene	7.8		0.40
tert-Butylbenzene	1.3		0.40
1,2,4-Trimethylbenzene	33		0.40
sec-Butylbenzene	11		0.40
1,3-Dichlorobenzene	ND		0.40
p-Isopropyltoluene	3.0		0.40
1,4-Dichlorobenzene	ND		0.40
1,2-Dichlorobenzene	ND		0.40
n-Butylbenzene	ND		0.40
1,2-Dibromo-3-chloropropane	ND		2.0
1,2,4-Trichlorobenzene	ND		0.40
Hexachlorobutadiene	ND		0.40
Naphthalene	3.7		2.0
1,2,3-Trichlorobenzene	ND		0.40

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	82	71-126
Toluene-d8	85	76-116
4-Bromofluorobenzene	88	70-123

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted:	8-7-09
Date Analyzed:	8-7-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0807W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB0807W1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	81	71-126
Toluene-d8	86	76-116
4-Bromofluorobenzene	95	70-123

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 8-7-09
Date Analyzed: 8-7-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB0807W1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	10.0	8.49	85	8.47	85	70-130	
Benzene	10.0	9.15	92	9.12	91	70-130	
Trichloroethene	10.0	9.43	94	9.26	93	70-123	
Toluene	10.0	9.57	96	9.63	96	77-120	
Chlorobenzene	10.0	10.5	105	10.9	109	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	0	21	
Benzene	0	18	
Trichloroethene	2	18	
Toluene	1	17	
Chlorobenzene	4	18	

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

VOLATILES by EPA 8260B
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Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	08-051-09
Client ID:	**KM-14-0809-W**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 08-051-09
Client ID: KM-14-0809-W

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	0.52		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	82	71-126
Toluene-d8	84	76-116
4-Bromofluorobenzene	93	70-123

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

VOLATILES by EPA 8260B
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Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	08-051-13
Client ID:	**KM-10-0809-W**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 08-051-13
Client ID: KM-10-0809-W

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	1.2		0.20
m,p-Xylene	5.9		0.40
o-Xylene	1.7		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	0.25		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	1.1		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	80	71-126
Toluene-d8	85	76-116
4-Bromofluorobenzene	91	70-123

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0810W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB0810W1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	81	71-126
Toluene-d8	87	76-116
4-Bromofluorobenzene	92	70-123

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB0810W1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	10.0	8.72	87	8.17	82	70-130	
Benzene	10.0	9.38	94	8.88	89	70-130	
Trichloroethene	10.0	9.65	97	9.29	93	70-123	
Toluene	10.0	9.88	99	9.75	98	77-120	
Chlorobenzene	10.0	10.6	106	10.6	106	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	7	21	
Benzene	5	18	
Trichloroethene	4	18	
Toluene	1	17	
Chlorobenzene	0	18	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-16-0809-4**					
Laboratory ID:	08-051-01					
N-Nitrosodimethylamine	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Pyridine	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Phenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Aniline	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethyl)ether	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2-Chlorophenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
1,3-Dichlorobenzene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
1,4-Dichlorobenzene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Benzyl alcohol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
1,2-Dichlorobenzene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2-Methylphenol (o-Cresol)	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroisopropyl)ether	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
N-Nitroso-di-n-propylamine	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Hexachloroethane	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Nitrobenzene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Isophorone	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2-Nitrophenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2,4-Dimethylphenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethoxy)methane	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2,4-Dichlorophenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
1,2,4-Trichlorobenzene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Naphthalene	**0.070**	0.0072	EPA 8270/SIM	8-12-09	8-13-09	
4-Chloroaniline	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Hexachlorobutadiene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
4-Chloro-3-methylphenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2-Methylnaphthalene	**0.036**	0.0072	EPA 8270/SIM	8-12-09	8-13-09	
1-Methylnaphthalene	**0.023**	0.0072	EPA 8270/SIM	8-12-09	8-13-09	
Hexachlorocyclopentadiene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2,4,6-Trichlorophenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2,3-Dichloroaniline	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2,4,5-Trichlorophenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2-Chloronaphthalene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2-Nitroaniline	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
1,4-Dinitrobenzene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Dimethylphthalate	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2,6-Dinitrotoluene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
1,2-Dinitrobenzene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Acenaphthylene	**ND**	0.0072	EPA 8270/SIM	8-12-09	8-13-09	
3-Nitroaniline	**ND**	0.18	EPA 8270	8-12-09	8-13-09	

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-16-0809-4**					
Laboratory ID:	08-051-01					
2,4-Dinitrophenol	**ND**	0.91	EPA 8270	8-12-09	8-13-09	
Acenaphthene	**0.19**	0.18	EPA 8270	8-12-09	8-13-09	
4-Nitrophenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2,4-Dinitrotoluene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Dibenzofuran	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Diethylphthalate	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
4-Chlorophenyl-phenylether	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
4-Nitroaniline	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Fluorene	**0.073**	0.0072	EPA 8270/SIM	8-12-09	8-13-09	
4,6-Dinitro-2-methylphenol	**ND**	0.91	EPA 8270	8-12-09	8-13-09	
N-Nitrosodiphenylamine	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
1,2-Diphenylhydrazine	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
4-Bromophenyl-phenylether	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Hexachlorobenzene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Pentachlorophenol	**ND**	0.91	EPA 8270	8-12-09	8-13-09	
Phenanthrene	**0.89**	0.18	EPA 8270	8-12-09	8-13-09	
Anthracene	**0.20**	0.18	EPA 8270	8-12-09	8-13-09	
Carbazole	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Di-n-butylphthalate	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Fluoranthene	**2.0**	0.18	EPA 8270	8-12-09	8-13-09	
Benzidine	**ND**	1.8	EPA 8270	8-12-09	8-13-09	
Pyrene	**1.9**	0.18	EPA 8270	8-12-09	8-13-09	
Butylbenzylphthalate	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
bis-2-Ethylhexyladipate	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
3,3'-Dichlorobenzidine	**ND**	1.8	EPA 8270	8-12-09	8-13-09	
Benzo[a]anthracene	**2.6**	0.18	EPA 8270	8-12-09	8-13-09	
Chrysene	**4.0**	0.18	EPA 8270	8-12-09	8-13-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Di-n-octylphthalate	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Benzo[b]fluoranthene	**8.3**	0.18	EPA 8270	8-12-09	8-13-09	
Benzo[k]fluoranthene	**3.6**	0.18	EPA 8270	8-12-09	8-13-09	
Benzo[a]pyrene	**3.5**	0.18	EPA 8270	8-12-09	8-13-09	
Indeno[1,2,3-cd]pyrene	**4.6**	0.18	EPA 8270	8-12-09	8-13-09	
Dibenz[a,h]anthracene	**2.1**	0.18	EPA 8270	8-12-09	8-13-09	
Benzo[g,h,i]perylene	**5.2**	0.18	EPA 8270	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*50*	*19 - 97*				
Phenol-d6	*68*	*22 - 108*				
Nitrobenzene-d5	*69*	*21 - 106*				
2-Fluorobiphenyl	*82*	*29 - 107*				
2,4,6-Tribromophenol	*72*	*44 - 121*				
Terphenyl-d14	*89*	*37 - 120*				

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-15-0809-4**					
Laboratory ID:	08-051-03					
N-Nitrosodimethylamine	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Pyridine	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Phenol	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Aniline	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethyl)ether	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2-Chlorophenol	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
1,3-Dichlorobenzene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
1,4-Dichlorobenzene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Benzyl alcohol	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
1,2-Dichlorobenzene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2-Methylphenol (o-Cresol)	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroisopropyl)ether	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
N-Nitroso-di-n-propylamine	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Hexachloroethane	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Nitrobenzene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Isophorone	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2-Nitrophenol	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2,4-Dimethylphenol	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethoxy)methane	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2,4-Dichlorophenol	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
1,2,4-Trichlorobenzene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Naphthalene	**0.086**	0.040	EPA 8270	8-12-09	8-13-09	
4-Chloroaniline	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Hexachlorobutadiene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
4-Chloro-3-methylphenol	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2-Methylnaphthalene	**0.11**	0.040	EPA 8270	8-12-09	8-13-09	
1-Methylnaphthalene	**0.086**	0.040	EPA 8270	8-12-09	8-13-09	
Hexachlorocyclopentadiene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2,4,6-Trichlorophenol	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2,3-Dichloroaniline	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2,4,5-Trichlorophenol	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2-Chloronaphthalene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2-Nitroaniline	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
1,4-Dinitrobenzene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Dimethylphthalate	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
1,3-Dinitrobenzene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2,6-Dinitrotoluene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
1,2-Dinitrobenzene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Acenaphthylene	**0.062**	0.040	EPA 8270	8-12-09	8-13-09	
3-Nitroaniline	**ND**	0.040	EPA 8270	8-12-09	8-13-09	

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-15-0809-4**					
Laboratory ID:	08-051-03					
2,4-Dinitrophenol	**ND**	0.20	EPA 8270	8-12-09	8-13-09	
Acenaphthene	**0.0099**	0.0080	EPA 8270/SIM	8-12-09	8-13-09	
4-Nitrophenol	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2,4-Dinitrotoluene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Dibenzofuran	**0.044**	0.040	EPA 8270	8-12-09	8-13-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Diethylphthalate	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
4-Chlorophenyl-phenylether	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
4-Nitroaniline	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Fluorene	**0.013**	0.0080	EPA 8270/SIM	8-12-09	8-13-09	
4,6-Dinitro-2-methylphenol	**ND**	0.20	EPA 8270	8-12-09	8-13-09	
N-Nitrosodiphenylamine	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
1,2-Diphenylhydrazine	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
4-Bromophenyl-phenylether	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Hexachlorobenzene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Pentachlorophenol	**ND**	0.20	EPA 8270	8-12-09	8-13-09	
Phenanthrene	**0.20**	0.040	EPA 8270	8-12-09	8-13-09	
Anthracene	**0.084**	0.040	EPA 8270	8-12-09	8-13-09	
Carbazole	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Di-n-butylphthalate	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Fluoranthene	**0.30**	0.040	EPA 8270	8-12-09	8-13-09	
Benzidine	**ND**	0.40	EPA 8270	8-12-09	8-13-09	
Pyrene	**0.29**	0.040	EPA 8270	8-12-09	8-13-09	
Butylbenzylphthalate	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
bis-2-Ethylhexyladipate	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
3,3'-Dichlorobenzidine	**ND**	0.40	EPA 8270	8-12-09	8-13-09	
Benzo[a]anthracene	**0.19**	0.040	EPA 8270	8-12-09	8-13-09	
Chrysene	**0.27**	0.040	EPA 8270	8-12-09	8-13-09	
bis(2-Ethylhexyl)phthalate	**0.052**	0.040	EPA 8270	8-12-09	8-13-09	
Di-n-octylphthalate	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Benzo[b]fluoranthene	**0.34**	0.040	EPA 8270	8-12-09	8-13-09	
Benzo[k]fluoranthene	**0.20**	0.040	EPA 8270	8-12-09	8-13-09	
Benzo[a]pyrene	**0.24**	0.040	EPA 8270	8-12-09	8-13-09	
Indeno[1,2,3-cd]pyrene	**0.24**	0.040	EPA 8270	8-12-09	8-13-09	
Dibenz[a,h]anthracene	**0.081**	0.040	EPA 8270	8-12-09	8-13-09	
Benzo[g,h,i]perylene	**0.30**	0.040	EPA 8270	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*53*	*19 - 97*				
Phenol-d6	*70*	*22 - 108*				
Nitrobenzene-d5	*72*	*21 - 106*				
2-Fluorobiphenyl	*79*	*29 - 107*				
2,4,6-Tribromophenol	*72*	*44 - 121*				
Terphenyl-d14	*83*	*37 - 120*				

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Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-14-0809-2**					
Laboratory ID:	08-051-05					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Pyridine	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Phenol	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Aniline	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Hexachloroethane	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Nitrobenzene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Isophorone	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Naphthalene	**0.025**	0.0075	EPA 8270/SIM	8-12-09	8-13-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2-Methylnaphthalene	**0.042**	0.037	EPA 8270	8-12-09	8-13-09	
1-Methylnaphthalene	**0.040**	0.037	EPA 8270	8-12-09	8-13-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Acenaphthylene	**0.017**	0.0075	EPA 8270/SIM	8-12-09	8-13-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	8-12-09	8-13-09	

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Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-14-0809-2**					
Laboratory ID:	08-051-05					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	8-12-09	8-13-09	
Acenaphthene	**0.048**	0.037	EPA 8270	8-12-09	8-13-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Dibenzofuran	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Diethylphthalate	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Fluorene	**0.023**	0.0075	EPA 8270/SIM	8-12-09	8-13-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	8-12-09	8-13-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	8-12-09	8-13-09	
Phenanthrene	**0.16**	0.037	EPA 8270	8-12-09	8-13-09	
Anthracene	**0.043**	0.037	EPA 8270	8-12-09	8-13-09	
Carbazole	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Fluoranthene	**0.21**	0.037	EPA 8270	8-12-09	8-13-09	
Benzidine	**ND**	0.37	EPA 8270	8-12-09	8-13-09	
Pyrene	**0.24**	0.037	EPA 8270	8-12-09	8-13-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	8-12-09	8-13-09	
Benzo[a]anthracene	**0.12**	0.037	EPA 8270	8-12-09	8-13-09	
Chrysene	**0.16**	0.037	EPA 8270	8-12-09	8-13-09	
bis(2-Ethylhexyl)phthalate	**0.042**	0.037	EPA 8270	8-12-09	8-13-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Benzo[b]fluoranthene	**0.14**	0.037	EPA 8270	8-12-09	8-13-09	
Benzo[k]fluoranthene	**0.11**	0.037	EPA 8270	8-12-09	8-13-09	
Benzo[a]pyrene	**0.15**	0.037	EPA 8270	8-12-09	8-13-09	
Indeno[1,2,3-cd]pyrene	**0.11**	0.037	EPA 8270	8-12-09	8-13-09	
Dibenz[a,h]anthracene	**0.040**	0.037	EPA 8270	8-12-09	8-13-09	
Benzo[g,h,i]perylene	**0.14**	0.037	EPA 8270	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*54*	*19 - 97*				
Phenol-d6	*64*	*22 - 108*				
Nitrobenzene-d5	*64*	*21 - 106*				
2-Fluorobiphenyl	*67*	*29 - 107*				
2,4,6-Tribromophenol	*70*	*44 - 121*				
Terphenyl-d14	*71*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-13-0809-2**					
Laboratory ID:	08-051-10					
N-Nitrosodimethylamine	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Pyridine	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Phenol	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Aniline	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethyl)ether	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2-Chlorophenol	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
1,3-Dichlorobenzene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
1,4-Dichlorobenzene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Benzyl alcohol	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
1,2-Dichlorobenzene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2-Methylphenol (o-Cresol)	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroisopropyl)ether	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
N-Nitroso-di-n-propylamine	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Hexachloroethane	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Nitrobenzene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Isophorone	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2-Nitrophenol	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2,4-Dimethylphenol	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethoxy)methane	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2,4-Dichlorophenol	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
1,2,4-Trichlorobenzene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Naphthalene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
4-Chloroaniline	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Hexachlorobutadiene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
4-Chloro-3-methylphenol	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2-Methylnaphthalene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
1-Methylnaphthalene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
Hexachlorocyclopentadiene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2,4,6-Trichlorophenol	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2,3-Dichloroaniline	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2,4,5-Trichlorophenol	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2-Chloronaphthalene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2-Nitroaniline	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
1,4-Dinitrobenzene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Dimethylphthalate	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
1,3-Dinitrobenzene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2,6-Dinitrotoluene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
1,2-Dinitrobenzene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Acenaphthylene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
3-Nitroaniline	**ND**	0.035	EPA 8270	8-12-09	8-13-09	

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-13-0809-2**					
Laboratory ID:	08-051-10					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Acenaphthene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
4-Nitrophenol	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2,4-Dinitrotoluene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Dibenzofuran	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Diethylphthalate	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
4-Chlorophenyl-phenylether	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
4-Nitroaniline	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Fluorene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
N-Nitrosodiphenylamine	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
1,2-Diphenylhydrazine	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
4-Bromophenyl-phenylether	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Hexachlorobenzene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Pentachlorophenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Phenanthrene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
Anthracene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
Carbazole	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Di-n-butylphthalate	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Fluoranthene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
Benzidine	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Pyrene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
Butylbenzylphthalate	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
bis-2-Ethylhexyladipate	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
3,3'-Dichlorobenzidine	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Benzo[a]anthracene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
Chrysene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Di-n-octylphthalate	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Benzo[b]fluoranthene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
Benzo[k]fluoranthene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
Benzo[a]pyrene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
Dibenz[a,h]anthracene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
Benzo[g,h,i]perylene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*63*	*19 - 97*				
Phenol-d6	*67*	*22 - 108*				
Nitrobenzene-d5	*72*	*21 - 106*				
2-Fluorobiphenyl	*65*	*29 - 107*				
2,4,6-Tribromophenol	*69*	*44 - 121*				
Terphenyl-d14	*72*	*37 - 120*				

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-10-0809-2**					
Laboratory ID:	08-051-11					
N-Nitrosodimethylamine	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Pyridine	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Phenol	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Aniline	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethyl)ether	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2-Chlorophenol	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
1,3-Dichlorobenzene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
1,4-Dichlorobenzene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Benzyl alcohol	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
1,2-Dichlorobenzene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2-Methylphenol (o-Cresol)	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroisopropyl)ether	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
N-Nitroso-di-n-propylamine	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Hexachloroethane	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Nitrobenzene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Isophorone	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2-Nitrophenol	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2,4-Dimethylphenol	**1.6**	0.34	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethoxy)methane	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2,4-Dichlorophenol	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
1,2,4-Trichlorobenzene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Naphthalene	**71**	1.7	EPA 8270	8-12-09	8-14-09	
4-Chloroaniline	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Hexachlorobutadiene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
4-Chloro-3-methylphenol	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2-Methylnaphthalene	**18**	0.34	EPA 8270	8-12-09	8-13-09	
1-Methylnaphthalene	**12**	0.34	EPA 8270	8-12-09	8-13-09	
Hexachlorocyclopentadiene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2,4,6-Trichlorophenol	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2,3-Dichloroaniline	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2,4,5-Trichlorophenol	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2-Chloronaphthalene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2-Nitroaniline	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
1,4-Dinitrobenzene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Dimethylphthalate	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
1,3-Dinitrobenzene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2,6-Dinitrotoluene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
1,2-Dinitrobenzene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Acenaphthylene	**0.42**	0.34	EPA 8270	8-12-09	8-13-09	
3-Nitroaniline	**ND**	0.34	EPA 8270	8-12-09	8-13-09	

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-10-0809-2**					
Laboratory ID:	08-051-11					
2,4-Dinitrophenol	**ND**	1.7	EPA 8270	8-12-09	8-13-09	
Acenaphthene	**3.5**	0.34	EPA 8270	8-12-09	8-13-09	
4-Nitrophenol	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2,4-Dinitrotoluene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Dibenzofuran	**1.4**	0.34	EPA 8270	8-12-09	8-13-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Diethylphthalate	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
4-Chlorophenyl-phenylether	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
4-Nitroaniline	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Fluorene	**3.0**	0.34	EPA 8270	8-12-09	8-13-09	
4,6-Dinitro-2-methylphenol	**ND**	1.7	EPA 8270	8-12-09	8-13-09	
N-Nitrosodiphenylamine	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
1,2-Diphenylhydrazine	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
4-Bromophenyl-phenylether	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Hexachlorobenzene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Pentachlorophenol	**ND**	1.7	EPA 8270	8-12-09	8-13-09	
Phenanthrene	**8.9**	0.34	EPA 8270	8-12-09	8-13-09	
Anthracene	**1.4**	0.34	EPA 8270	8-12-09	8-13-09	
Carbazole	**0.85**	0.34	EPA 8270	8-12-09	8-13-09	
Di-n-butylphthalate	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Fluoranthene	**7.7**	0.34	EPA 8270	8-12-09	8-13-09	
Benzidine	**ND**	3.4	EPA 8270	8-12-09	8-13-09	
Pyrene	**7.4**	0.34	EPA 8270	8-12-09	8-13-09	
Butylbenzylphthalate	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
bis-2-Ethylhexyladipate	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
3,3'-Dichlorobenzidine	**ND**	3.4	EPA 8270	8-12-09	8-13-09	
Benzo[a]anthracene	**2.4**	0.34	EPA 8270	8-12-09	8-13-09	
Chrysene	**3.2**	0.34	EPA 8270	8-12-09	8-13-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Di-n-octylphthalate	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Benzo[b]fluoranthene	**2.5**	0.34	EPA 8270	8-12-09	8-13-09	
Benzo[k]fluoranthene	**2.0**	0.34	EPA 8270	8-12-09	8-13-09	
Benzo[a]pyrene	**1.9**	0.34	EPA 8270	8-12-09	8-13-09	
Indeno[1,2,3-cd]pyrene	**1.3**	0.34	EPA 8270	8-12-09	8-13-09	
Dibenz[a,h]anthracene	**0.50**	0.34	EPA 8270	8-12-09	8-13-09	
Benzo[g,h,i]perylene	**1.7**	0.34	EPA 8270	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*33*	*19 - 97*				
Phenol-d6	*86*	*22 - 108*				
Nitrobenzene-d5	*120*	*21 - 106*				Q
2-Fluorobiphenyl	*90*	*29 - 107*				
2,4,6-Tribromophenol	*90*	*44 - 121*				
Terphenyl-d14	*93*	*37 - 120*				

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-10-0809-5.5**					
Laboratory ID:	08-051-12					
N-Nitrosodimethylamine	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Pyridine	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Phenol	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Aniline	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethyl)ether	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2-Chlorophenol	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
1,3-Dichlorobenzene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
1,4-Dichlorobenzene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Benzyl alcohol	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
1,2-Dichlorobenzene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2-Methylphenol (o-Cresol)	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroisopropyl)ether	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
N-Nitroso-di-n-propylamine	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Hexachloroethane	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Nitrobenzene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Isophorone	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2-Nitrophenol	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2,4-Dimethylphenol	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethoxy)methane	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2,4-Dichlorophenol	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
1,2,4-Trichlorobenzene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Naphthalene	**1.1**	0.35	EPA 8270	8-12-09	8-13-09	
4-Chloroaniline	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Hexachlorobutadiene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
4-Chloro-3-methylphenol	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2-Methylnaphthalene	**16**	0.35	EPA 8270	8-12-09	8-13-09	
1-Methylnaphthalene	**12**	0.35	EPA 8270	8-12-09	8-13-09	
Hexachlorocyclopentadiene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2,4,6-Trichlorophenol	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2,3-Dichloroaniline	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2,4,5-Trichlorophenol	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2-Chloronaphthalene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2-Nitroaniline	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
1,4-Dinitrobenzene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Dimethylphthalate	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
1,3-Dinitrobenzene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2,6-Dinitrotoluene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
1,2-Dinitrobenzene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Acenaphthylene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
3-Nitroaniline	**ND**	0.35	EPA 8270	8-12-09	8-13-09	

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-10-0809-5.5**					
Laboratory ID:	08-051-12					
2,4-Dinitrophenol	**ND**	1.8	EPA 8270	8-12-09	8-13-09	
Acenaphthene	**4.7**	0.35	EPA 8270	8-12-09	8-13-09	
4-Nitrophenol	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2,4-Dinitrotoluene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Dibenzofuran	**1.5**	0.35	EPA 8270	8-12-09	8-13-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Diethylphthalate	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
4-Chlorophenyl-phenylether	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
4-Nitroaniline	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Fluorene	**3.6**	0.35	EPA 8270	8-12-09	8-13-09	
4,6-Dinitro-2-methylphenol	**ND**	1.8	EPA 8270	8-12-09	8-13-09	
N-Nitrosodiphenylamine	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
1,2-Diphenylhydrazine	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
4-Bromophenyl-phenylether	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Hexachlorobenzene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Pentachlorophenol	**ND**	1.8	EPA 8270	8-12-09	8-13-09	
Phenanthrene	**9.1**	0.35	EPA 8270	8-12-09	8-13-09	
Anthracene	**1.6**	0.35	EPA 8270	8-12-09	8-13-09	
Carbazole	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Di-n-butylphthalate	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Fluoranthene	**5.3**	0.35	EPA 8270	8-12-09	8-13-09	
Benzidine	**ND**	3.5	EPA 8270	8-12-09	8-13-09	
Pyrene	**4.7**	0.35	EPA 8270	8-12-09	8-13-09	
Butylbenzylphthalate	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
bis-2-Ethylhexyladipate	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
3,3'-Dichlorobenzidine	**ND**	3.5	EPA 8270	8-12-09	8-13-09	
Benzo[a]anthracene	**1.4**	0.35	EPA 8270	8-12-09	8-13-09	
Chrysene	**2.0**	0.35	EPA 8270	8-12-09	8-13-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Di-n-octylphthalate	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Benzo[b]fluoranthene	**1.4**	0.35	EPA 8270	8-12-09	8-13-09	
Benzo[k]fluoranthene	**1.1**	0.35	EPA 8270	8-12-09	8-13-09	
Benzo[a]pyrene	**1.3**	0.35	EPA 8270	8-12-09	8-13-09	
Indeno[1,2,3-cd]pyrene	**0.72**	0.35	EPA 8270	8-12-09	8-13-09	
Dibenz[a,h]anthracene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Benzo[g,h,i]perylene	**0.95**	0.35	EPA 8270	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*65*	*19 - 97*				
Phenol-d6	*105*	*22 - 108*				
Nitrobenzene-d5	*81*	*21 - 106*				
2-Fluorobiphenyl	*94*	*29 - 107*				
2,4,6-Tribromophenol	*89*	*44 - 121*				
Terphenyl-d14	*99*	*37 - 120*				

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-11-0809-2.5**					
Laboratory ID:	08-051-14					
N-Nitrosodimethylamine	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Pyridine	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Phenol	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Aniline	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethyl)ether	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2-Chlorophenol	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
1,3-Dichlorobenzene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
1,4-Dichlorobenzene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Benzyl alcohol	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
1,2-Dichlorobenzene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2-Methylphenol (o-Cresol)	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroisopropyl)ether	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
N-Nitroso-di-n-propylamine	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Hexachloroethane	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Nitrobenzene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Isophorone	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2-Nitrophenol	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2,4-Dimethylphenol	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethoxy)methane	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2,4-Dichlorophenol	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
1,2,4-Trichlorobenzene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Naphthalene	**1.0**	0.21	EPA 8270	8-12-09	8-13-09	
4-Chloroaniline	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Hexachlorobutadiene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
4-Chloro-3-methylphenol	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2-Methylnaphthalene	**3.3**	0.21	EPA 8270	8-12-09	8-13-09	
1-Methylnaphthalene	**4.1**	0.21	EPA 8270	8-12-09	8-13-09	
Hexachlorocyclopentadiene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2,4,6-Trichlorophenol	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2,3-Dichloroaniline	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2,4,5-Trichlorophenol	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2-Chloronaphthalene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2-Nitroaniline	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
1,4-Dinitrobenzene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Dimethylphthalate	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
1,3-Dinitrobenzene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2,6-Dinitrotoluene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
1,2-Dinitrobenzene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Acenaphthylene	**0.28**	0.21	EPA 8270	8-12-09	8-13-09	
3-Nitroaniline	**ND**	0.21	EPA 8270	8-12-09	8-13-09	

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Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-11-0809-2.5**					
Laboratory ID:	08-051-14					
2,4-Dinitrophenol	**ND**	1.1	EPA 8270	8-12-09	8-13-09	
Acenaphthene	**1.5**	0.21	EPA 8270	8-12-09	8-13-09	
4-Nitrophenol	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2,4-Dinitrotoluene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Dibenzofuran	**0.38**	0.21	EPA 8270	8-12-09	8-13-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Diethylphthalate	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
4-Chlorophenyl-phenylether	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
4-Nitroaniline	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Fluorene	**1.0**	0.21	EPA 8270	8-12-09	8-13-09	
4,6-Dinitro-2-methylphenol	**ND**	1.1	EPA 8270	8-12-09	8-13-09	
N-Nitrosodiphenylamine	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
1,2-Diphenylhydrazine	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
4-Bromophenyl-phenylether	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Hexachlorobenzene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Pentachlorophenol	**ND**	1.1	EPA 8270	8-12-09	8-13-09	
Phenanthrene	**3.5**	0.21	EPA 8270	8-12-09	8-13-09	
Anthracene	**0.68**	0.21	EPA 8270	8-12-09	8-13-09	
Carbazole	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Di-n-butylphthalate	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Fluoranthene	**1.4**	0.21	EPA 8270	8-12-09	8-13-09	
Benzidine	**ND**	2.1	EPA 8270	8-12-09	8-13-09	
Pyrene	**1.8**	0.21	EPA 8270	8-12-09	8-13-09	
Butylbenzylphthalate	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
bis-2-Ethylhexyladipate	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
3,3'-Dichlorobenzidine	**ND**	2.1	EPA 8270	8-12-09	8-13-09	
Benzo[a]anthracene	**0.50**	0.21	EPA 8270	8-12-09	8-13-09	
Chrysene	**0.50**	0.21	EPA 8270	8-12-09	8-13-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Di-n-octylphthalate	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Benzo[b]fluoranthene	**0.27**	0.21	EPA 8270	8-12-09	8-13-09	
Benzo[k]fluoranthene	**0.36**	0.21	EPA 8270	8-12-09	8-13-09	
Benzo[a]pyrene	**0.54**	0.21	EPA 8270	8-12-09	8-13-09	
Indeno[1,2,3-cd]pyrene	**0.29**	0.21	EPA 8270	8-12-09	8-13-09	
Dibenz[a,h]anthracene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Benzo[g,h,i]perylene	**0.41**	0.21	EPA 8270	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*58*	*19 - 97*				
Phenol-d6	*80*	*22 - 108*				
Nitrobenzene-d5	*72*	*21 - 106*				
2-Fluorobiphenyl	*92*	*29 - 107*				
2,4,6-Tribromophenol	*94*	*44 - 121*				
Terphenyl-d14	*100*	*37 - 120*				

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Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0812S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Pyridine	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Phenol	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Aniline	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Hexachloroethane	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Nitrobenzene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Isophorone	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	8-12-09	8-12-09	

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Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0812S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	8-12-09	8-12-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Dibenzofuran	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Diethylphthalate	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	8-12-09	8-12-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
1,2-Diphenylhydrazine	**0.35**	0.033	EPA 8270	8-12-09	8-12-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	8-12-09	8-12-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
Carbazole	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
Benzidine	**ND**	0.33	EPA 8270	8-12-09	8-12-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	8-12-09	8-12-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*63*	*19 - 97*				
Phenol-d6	*68*	*22 - 108*				
Nitrobenzene-d5	*74*	*21 - 106*				
2-Fluorobiphenyl	*72*	*29 - 107*				
2,4,6-Tribromophenol	*79*	*44 - 121*				
Terphenyl-d14	*82*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0812S1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**0.764**	**0.974**	1.33	1.33	57	73	27 - 100	24	37	
2-Chlorophenol	**0.775**	**0.972**	1.33	1.33	58	73	23 - 104	23	43	
1,4-Dichlorobenzene	**0.355**	**0.440**	0.667	0.667	53	66	23 - 86	21	40	
N-Nitroso-di-n-propylamine	**0.362**	**0.474**	0.667	0.667	54	71	28 - 96	27	37	
1,2,4-Trichlorobenzene	**0.367**	**0.470**	0.667	0.667	55	70	25 - 90	25	40	
4-Chloro-3-methylphenol	**0.862**	**1.08**	1.33	1.33	65	81	44 - 106	22	31	
Acenaphthene	**0.431**	**0.533**	0.667	0.667	65	80	39 - 93	21	28	
4-Nitrophenol	**1.17**	**1.35**	1.33	1.33	88	102	30 - 124	14	31	
2,4-Dinitrotoluene	**0.547**	**0.621**	0.667	0.667	82	93	53 - 109	13	34	
Pentachlorophenol	**1.10**	**1.25**	1.33	1.33	83	94	47 - 122	13	33	
Pyrene	**0.519**	**0.594**	0.667	0.667	78	89	55 - 108	13	29	
Surrogate:										
2-Fluorophenol					*51*	*63*	*19 - 97*			
Phenol-d6					*52*	*67*	*22 - 108*			
Nitrobenzene-d5					*57*	*71*	*21 - 106*			
2-Fluorobiphenyl					*58*	*74*	*29 - 107*			
2,4,6-Tribromophenol					*77*	*85*	*44 - 121*			
Terphenyl-d14					*75*	*83*	*37 - 120*			

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-16-0809-W**					
Laboratory ID:	08-051-07					
N-Nitrosodimethylamine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Pyridine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Phenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Aniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Chlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Benzyl alcohol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
N-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Hexachloroethane	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Nitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Isophorone	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Naphthalene	**1.4**	1.0	EPA 8270	8-11-09	8-13-09	
4-Chloroaniline	**ND**	10	EPA 8270	8-11-09	8-13-09	
Hexachlorobutadiene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Methylnaphthalene	**0.12**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Chloronaphthalene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Dimethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
3-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-16-0809-W**					
Laboratory ID:	08-051-07					
2,4-Dinitrophenol	**ND**	10	EPA 8270	8-11-09	8-13-09	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Dibenzofuran	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Diethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Fluorene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4,6-Dinitro-2-methylphenol	**ND**	5.2	EPA 8270	8-11-09	8-13-09	
N-Nitrosodiphenylamine	**ND**	10	EPA 8270	8-11-09	8-13-09	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Hexachlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Pentachlorophenol	**ND**	5.2	EPA 8270	8-11-09	8-13-09	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Anthracene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Carbazole	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Di-n-butylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Benzidine	**ND**	10	EPA 8270	8-11-09	8-13-09	
Pyrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Butylbenzylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis-2-Ethylhexyladipate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
3,3'-Dichlorobenzidine	**ND**	10	EPA 8270	8-11-09	8-13-09	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Chrysene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
bis(2-Ethylhexyl)phthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Di-n-octylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*37*	*12 - 91*				
Phenol-d6	*32*	*10 - 102*				
Nitrobenzene-d5	*62*	*27 - 115*				
2-Fluorobiphenyl	*64*	*37 - 111*				
2,4,6-Tribromophenol	*74*	*48 - 121*				
Terphenyl-d14	*79*	*47 - 116*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-14-0809-W**					
Laboratory ID:	08-051-09					
N-Nitrosodimethylamine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Pyridine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Phenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Aniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Chlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Benzyl alcohol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
N-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Hexachloroethane	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Nitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Isophorone	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Naphthalene	**0.13**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Chloroaniline	**ND**	10	EPA 8270	8-11-09	8-13-09	
Hexachlorobutadiene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Chloronaphthalene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Dimethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
3-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-14-0809-W**					
Laboratory ID:	08-051-09					
2,4-Dinitrophenol	**ND**	10	EPA 8270	8-11-09	8-13-09	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Dibenzofuran	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Diethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Fluorene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4,6-Dinitro-2-methylphenol	**ND**	5.1	EPA 8270	8-11-09	8-13-09	
N-Nitrosodiphenylamine	**ND**	10	EPA 8270	8-11-09	8-13-09	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Hexachlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Pentachlorophenol	**ND**	5.1	EPA 8270	8-11-09	8-13-09	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Anthracene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Carbazole	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Di-n-butylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Benzidine	**ND**	10	EPA 8270	8-11-09	8-13-09	
Pyrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Butylbenzylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis-2-Ethylhexyladipate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
3,3'-Dichlorobenzidine	**ND**	10	EPA 8270	8-11-09	8-13-09	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Chrysene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
bis(2-Ethylhexyl)phthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Di-n-octylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*39*	*12 - 91*				
Phenol-d6	*31*	*10 - 102*				
Nitrobenzene-d5	*57*	*27 - 115*				
2-Fluorobiphenyl	*58*	*37 - 111*				
2,4,6-Tribromophenol	*78*	*48 - 121*				
Terphenyl-d14	*80*	*47 - 116*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-10-0809-W**					
Laboratory ID:	08-051-13					
N-Nitrosodimethylamine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Pyridine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Phenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Aniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Chlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Benzyl alcohol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
N-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Hexachloroethane	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Nitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Isophorone	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Naphthalene	**0.37**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Chloroaniline	**ND**	10	EPA 8270	8-11-09	8-13-09	
Hexachlorobutadiene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Chloronaphthalene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Dimethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Acenaphthylene	**0.12**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
3-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-10-0809-W**					
Laboratory ID:	08-051-13					
2,4-Dinitrophenol	**ND**	10	EPA 8270	8-11-09	8-13-09	
Acenaphthene	**0.13**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Dibenzofuran	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Diethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Fluorene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4,6-Dinitro-2-methylphenol	**ND**	5.0	EPA 8270	8-11-09	8-13-09	
N-Nitrosodiphenylamine	**ND**	10	EPA 8270	8-11-09	8-13-09	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Hexachlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Pentachlorophenol	**ND**	5.0	EPA 8270	8-11-09	8-13-09	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Anthracene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Carbazole	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Di-n-butylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Benzidine	**ND**	10	EPA 8270	8-11-09	8-13-09	
Pyrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Butylbenzylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis-2-Ethylhexyladipate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
3,3'-Dichlorobenzidine	**ND**	10	EPA 8270	8-11-09	8-13-09	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Chrysene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
bis(2-Ethylhexyl)phthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Di-n-octylphthalate	**1.4**	1.0	EPA 8270	8-11-09	8-13-09	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*32*	*12 - 91*				
Phenol-d6	*28*	*10 - 102*				
Nitrobenzene-d5	*43*	*27 - 115*				
2-Fluorobiphenyl	*52*	*37 - 111*				
2,4,6-Tribromophenol	*65*	*48 - 121*				
Terphenyl-d14	*70*	*47 - 116*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0811W1					
N-Nitrosodimethylamine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Pyridine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Phenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Aniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Chlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Benzyl alcohol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
N-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Hexachloroethane	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Nitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Isophorone	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Naphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Chloroaniline	**ND**	10	EPA 8270	8-11-09	8-12-09	
Hexachlorobutadiene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Chloronaphthalene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Dimethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
3-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0811W1					
2,4-Dinitrophenol	**ND**	10	EPA 8270	8-11-09	8-12-09	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Dibenzofuran	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Diethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Fluorene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4,6-Dinitro-2-methylphenol	**ND**	5.0	EPA 8270	8-11-09	8-12-09	
N-Nitrosodiphenylamine	**ND**	10	EPA 8270	8-11-09	8-12-09	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Hexachlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Pentachlorophenol	**ND**	5.0	EPA 8270	8-11-09	8-12-09	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Anthracene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Carbazole	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Di-n-butylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Benzidine	**ND**	10	EPA 8270	8-11-09	8-12-09	
Pyrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Butylbenzylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis-2-Ethylhexyladipate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
3,3'-Dichlorobenzidine	**ND**	10	EPA 8270	8-11-09	8-12-09	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Chrysene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
bis(2-Ethylhexyl)phthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Di-n-octylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*32*	*12 - 91*				
Phenol-d6	*29*	*10 - 102*				
Nitrobenzene-d5	*77*	*27 - 115*				
2-Fluorobiphenyl	*69*	*37 - 111*				
2,4,6-Tribromophenol	*56*	*48 - 121*				
Terphenyl-d14	*83*	*47 - 116*				

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0811W1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**15.5**	**14.0**	40.0	40.0	39	35	17 - 69	10	34	
2-Chlorophenol	**27.7**	**24.2**	40.0	40.0	69	61	36 - 104	13	36	
1,4-Dichlorobenzene	**12.8**	**10.8**	20.0	20.0	64	54	29 - 90	17	34	
N-Nitroso-di-n-propylamine	**12.3**	**11.3**	20.0	20.0	62	57	34 - 101	8	38	
1,2,4-Trichlorobenzene	**13.2**	**11.9**	20.0	20.0	66	60	30 - 97	10	42	
4-Chloro-3-methylphenol	**30.0**	**29.8**	40.0	40.0	75	75	56 - 106	1	26	
Acenaphthene	**14.5**	**14.2**	20.0	20.0	73	71	46 - 94	2	34	
4-Nitrophenol	**21.1**	**22.8**	40.0	40.0	53	57	17 - 100	8	38	
2,4-Dinitrotoluene	**17.5**	**18.6**	20.0	20.0	88	93	50 - 121	6	18	
Pentachlorophenol	**36.5**	**38.2**	40.0	40.0	91	96	37 - 132	5	32	
Pyrene	**16.9**	**17.8**	20.0	20.0	85	89	65 - 108	5	18	
Surrogate:										
2-Fluorophenol					*47*	*40*	*12 - 91*			
Phenol-d6					*34*	*31*	*10 - 102*			
Nitrobenzene-d5					*69*	*63*	*27 - 115*			
2-Fluorobiphenyl					*68*	*65*	*37 - 111*			
2,4,6-Tribromophenol					*81*	*83*	*48 - 121*			
Terphenyl-d14					*82*	*85*	*47 - 116*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Lab Traveler: 0908-051
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-16-0809-4**					
Laboratory ID:	08-051-01					
Aroclor 1016	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*87*	*33-122*				
Client ID:	**KM-15-0809-4**					
Laboratory ID:	08-051-03					
Aroclor 1016	**ND**	0.060	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.060	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.060	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.060	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.060	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.060	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.060	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*73*	*33-122*				
Client ID:	**KM-14-0809-2**					
Laboratory ID:	08-051-05					
Aroclor 1016	**ND**	0.056	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.056	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.056	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.056	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.056	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.056	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**0.057**	0.056	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*77*	*33-122*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Lab Traveler: 0908-051
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-13-0809-2**					
Laboratory ID:	08-051-10					
Aroclor 1016	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*91*	*33-122*				
Client ID:	**KM-10-0809-2**					
Laboratory ID:	08-051-11					
Aroclor 1016	**ND**	0.052	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.052	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.052	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.052	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.052	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.052	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**0.14**	0.052	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*73*	*33-122*				
Client ID:	**KM-10-0809-5.5**					
Laboratory ID:	08-051-12					
Aroclor 1016	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*63*	*33-122*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Lab Traveler: 0908-051
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-11-0809-2.5**					
Laboratory ID:	08-051-14					
Aroclor 1016	**ND**	0.063	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.063	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.063	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.063	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.063	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.063	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.063	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*70*	*33-122*				

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Lab Traveler: 0908-051
Project: 14697

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0814S1					
Aroclor 1016	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*88*	*33-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	08-054-05										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.398**	**0.416**	0.500	0.500	ND	**80**	**83**	24-125	4	18	
Surrogate:											
DCB						*81*	*85*	*33-122*			

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Lab Traveler: 0908-051
Project: 14697

PCBs by EPA 8082

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-16-0809-W**					
Laboratory ID:	08-051-07					
Aroclor 1016	**ND**	0.051	EPA 8082	8-7-09	8-11-09	
Aroclor 1221	**ND**	0.051	EPA 8082	8-7-09	8-11-09	
Aroclor 1232	**ND**	0.051	EPA 8082	8-7-09	8-11-09	
Aroclor 1242	**ND**	0.051	EPA 8082	8-7-09	8-11-09	
Aroclor 1248	**ND**	0.051	EPA 8082	8-7-09	8-11-09	
Aroclor 1254	**ND**	0.051	EPA 8082	8-7-09	8-11-09	
Aroclor 1260	**ND**	0.051	EPA 8082	8-7-09	8-11-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*85*	*39-128*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Lab Traveler: 0908-051
Project: 14697

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0807W1					
Aroclor 1016	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Aroclor 1221	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Aroclor 1232	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Aroclor 1242	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Aroclor 1248	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Aroclor 1254	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Aroclor 1260	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*72*	*39-128*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0807W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.374**	**0.369**	0.500	0.500	N/A	**75**	**74**	58-113	1	11	
Surrogate:											
DCB						*79*	*77*	*39-128*			

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Lab Traveler: 0908-051
Project: 14697

PCBs by EPA 8082

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-14-0809-W**					
Laboratory ID:	08-051-09					
Aroclor 1016	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Aroclor 1221	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Aroclor 1232	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Aroclor 1242	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Aroclor 1248	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Aroclor 1254	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Aroclor 1260	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*96*	*39-128*				
Client ID:	**KM-10-0809-W**					
Laboratory ID:	08-051-13					
Aroclor 1016	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1221	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1232	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1242	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1248	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1254	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1260	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*92*	*39-128*				

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Lab Traveler: 0908-051
Project: 14697

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0812W1					
Aroclor 1016	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1221	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1232	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1242	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1248	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1254	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1260	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*102*	*39-128*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0812W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.490**	**0.448**	0.500	0.500	N/A	**98**	**90**	58-113	9	11	
Surrogate:											
DCB						*103*	*96*	*39-128*			

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11,18&19-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-051-01
Client ID: **KM-16-0809-4**

Analyte	Method	Result	PQL
Arsenic	6010B	**14**	11
Barium	6010B	**400**	27
Cadmium	6010B	**ND**	0.54
Chromium	6010B	**44**	0.54
Lead	6010B	**14**	5.4
Mercury	7471A	**ND**	0.27
Selenium	6010B	**ND**	11
Silver	6010B	**ND**	0.54

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11,18&19-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-051-03
Client ID: **KM-15-0809-4**

Analyte	Method	Result	PQL
Arsenic	6010B	**15**	12
Barium	6010B	**390**	30
Cadmium	6010B	**ND**	0.60
Chromium	6010B	**26**	0.60
Lead	6010B	**410**	6.0
Mercury	7471A	**0.83**	0.30
Selenium	6010B	**ND**	12
Silver	6010B	**ND**	0.60

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11,18&19-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-051-05
Client ID: **KM-14-0809-2**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	11
Barium	6010B	**92**	2.8
Cadmium	6010B	**ND**	0.56
Chromium	6010B	**21**	0.56
Lead	6010B	**66**	5.6
Mercury	7471A	**ND**	0.28
Selenium	6010B	**ND**	11
Silver	6010B	**ND**	0.56

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11,18&19-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-051-10
Client ID: **KM-13-0809-2**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	11
Barium	6010B	**35**	2.6
Cadmium	6010B	**ND**	0.53
Chromium	6010B	**23**	0.53
Lead	6010B	**ND**	5.3
Mercury	7471A	**ND**	0.26
Selenium	6010B	**ND**	11
Silver	6010B	**ND**	0.53

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11,18&19-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-051-11
Client ID: **KM-10-0809-2**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Barium	6010B	**110**	2.6
Cadmium	6010B	**1.8**	0.52
Chromium	6010B	**110**	0.52
Lead	6010B	**700**	5.2
Mercury	7471A	**ND**	0.26
Selenium	6010B	**ND**	10
Silver	6010B	**ND**	0.52

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11,18&19-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-051-12
Client ID: **KM-10-0809-5.5**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	11
Barium	6010B	**26**	2.7
Cadmium	6010B	**ND**	0.53
Chromium	6010B	**7.4**	0.53
Lead	6010B	**17**	5.3
Mercury	7471A	**ND**	0.27
Selenium	6010B	**ND**	11
Silver	6010B	**ND**	0.53

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11,18&19-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-051-14
Client ID: **KM-11-0809-2.5**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	13
Barium	6010B	**380**	32
Cadmium	6010B	**ND**	0.63
Chromium	6010B	**9.4**	0.63
Lead	6010B	**44**	6.3
Mercury	7471A	**ND**	0.32
Selenium	6010B	**ND**	13
Silver	6010B	**ND**	0.63

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-11&17-09
Date Analyzed:	8-11&18-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0811S2&MB0817S2

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Barium	6010B	**ND**	2.5
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Selenium	6010B	**ND**	10
Silver	6010B	**ND**	0.50

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-10

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Barium	**19.0**	**19.1**	0	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**4.74**	**5.40**	13	0.50	
Lead	**ND**	**ND**	NA	5.0	
Mercury	**ND**	**ND**	NA	0.25	
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	0.50	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-10

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**94.6**	95	**91.9**	92	3	
Barium	100	**114**	95	**113**	94	1	
Cadmium	50	**47.8**	96	**46.7**	93	2	
Chromium	100	**101**	96	**99.0**	94	2	
Lead	250	**244**	98	**239**	95	2	
Mercury	0.50	**0.466**	93	**0.448**	90	4	
Selenium	100	**94.7**	95	**88.8**	89	6	
Silver	25	**23.2**	93	**21.9**	88	6	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 200.8/7470A

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-051-07
Client ID: KM-16-0809-W

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Barium	200.8	**ND**	28
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Lead	200.8	**ND**	1.1
Mercury	7470A	**ND**	0.50
Selenium	200.8	**ND**	5.6
Silver	200.8	**ND**	11

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 200.8/7470A

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-051-09
Client ID: KM-14-0809-W

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Barium	200.8	**ND**	28
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Lead	200.8	**ND**	1.1
Mercury	7470A	**ND**	0.50
Selenium	200.8	**ND**	5.6
Silver	200.8	**ND**	11

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 200.8/7470A

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-051-13
Client ID: KM-10-0809-W

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Barium	200.8	**ND**	28
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Lead	200.8	**1.4**	1.1
Mercury	7470A	**ND**	0.50
Selenium	200.8	**ND**	5.6
Silver	200.8	**ND**	11

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 200.8/7470A
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-10&13-09
Date Analyzed:	8-10&13-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0810W1&MB0813W1

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Barium	200.8	**ND**	28
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Lead	200.8	**ND**	1.1
Mercury	7470A	**ND**	0.50
Selenium	200.8	**ND**	5.6
Silver	200.8	**ND**	11

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 200.8/7470A
DUPLICATE QUALITY CONTROL

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-035-09

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	3.3	
Barium	**ND**	**ND**	NA	28	
Cadmium	**ND**	**ND**	NA	4.4	
Chromium	**ND**	**ND**	NA	11	
Lead	**ND**	**ND**	NA	1.1	
Mercury	**ND**	**ND**	NA	0.50	
Selenium	**ND**	**ND**	NA	5.6	
Silver	**ND**	**ND**	NA	11	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 200.8/7470A
MS/MSD QUALITY CONTROL

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-035-09

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	110	**111**	101	**114**	104	3	
Barium	110	**116**	105	**121**	110	5	
Cadmium	110	**113**	103	**116**	105	2	
Chromium	110	**107**	97	**109**	99	2	
Lead	110	**109**	99	**116**	105	6	
Mercury	12.5	**10.8**	86	**10.5**	84	3	
Selenium	110	**112**	102	**116**	105	3	
Silver	110	**107**	97	**116**	106	8	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Lab Traveler: 0908-051
Project: 14697

% MOISTURE

Date Analyzed: 8-7-09

Client ID	Lab ID	% Moisture
KM-16-0809-4	08-051-01	8
KM-15-0809-4	08-051-03	17
KM-14-0809-2	08-051-05	11
KM-14-0809-7	08-051-06	18
KM-13-0809-2	08-051-10	5
KM-10-0809-2	08-051-11	3
KM-10-0809-5.5	08-051-12	6
KM-11-0809-2.5	08-051-14	21

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z1 - The chromatogram is similar to mineral spirits.

Z2 - The chromatogram is similar to gas with mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

Page 1 of 2

OnSite Environmental Inc.

Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: Amec Geomatrix

Project Number: 14697

Project Name: Kelly Moore Phase II

Project Managers: Tasya Gray

Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ Standard (7 working days)
(TPH analysis 5 working days)

☐ _____ (other)

Laboratory Number: 08-051

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664						HOLD	% Moisture
1	KM-16-0809-4	8/6/09	715	S	6		X	X	X		X		X			X									X
2	KM-16-0809-8		720	S	6		X	X	X		X		X			X								X	
3	KM-15-0809-4		855	S	6		X	X	X		X		X			X									X
4	KM-15-0809-6.5		905	S	6		X	X	X		X		X			X								X	
5	KM-14-0809-2		1045	S	6		X	X	X		X		X			X									X
6	KM-14-0809-7		1050	S	6		X	X	X		X		X			X		HOLD.						⊗	X
7	KM-16-0809-W		0800	W	12		X	X	X		X		X			X									
8	KM-15-0809-W		0950	W	12		X	X	X		X		X			X								X	
9	KM-14-0809-W		1130	W	12		⊗	⊗	⊗		⊗		⊗			⊗								X	
10	KM-13-0809-2	↓	1215	S	6		X	X	X		X		X			X									X

	Signature	Company	Date	Time
Relinquished by		Amec GMX	8/7/09	850
Received by		Speedy	8/7/09	850
Relinquished by		Speedy	8/7/09	10:35
Received by			8/7/09	1035
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions

*Hold: KM-16-0809-8
KM-150809-6.5
KM-14-0809-W
KM-15-0809-W

⊗ Added 8/10/09. DB

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

Chain of Custody

OnSite Environmental Inc.
Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: Amec Geomatrix
Project Number: 14697
Project Name: Kelly Moore
Project Manager: Tasya Gray
Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Day ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 08-051

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	HOLD	% Moisture
11	KM-10-0809-2	8/6/09	1340	S	6		X	X	X		X		X			X				X
12	KM-10-0809-5.5		1350	S	6		X	X	X		X		X			X				X
13	KM-10-0809-W		1430	W	12		X	X	X		X		X			X			X	
14	KM-11-0809-2.5		1505	S	6		X	X	X		X		X			X				X
15	KM-11-0809-7		1515	S	6		X	X	X		X		X			X			X	
16	KM-11-0809-W		1555	W	12		X	X	X		X		X			X			X	

	Signature	Company	Date	Time
Relinquished by		Amec GMX	8/7/09	850
Received by	Van	Speedy	8/7/09	850
Relinquished by	Van	Speedy	8/7/09	1035
Received by			8/7/09	1035
Relinquished by				
Received by				

Comments/Special Instructions:
* Hold: KM-10-0809-W
KM-11-0809-W
KM-11-0809-7
Added 8/10/09. DTS

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

August 27, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0908-051B

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on August 7, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 27, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051B
Project: 14697

Case Narrative

Samples were collected on August 6, 2009, and received by the laboratory on August 7, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 27, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051B
Project: 14697

NWTPH-Gx/BTEX

Date Extracted: 8-20-09
Date Analyzed: 8-20-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID: **KM-11-0809-7**
Lab ID: 08-051-15

	Result	Flags	PQL
Benzene	**ND**		0.020
Toluene	**ND**		0.051
Ethyl Benzene	**ND**		0.051
m,p-Xylene	**ND**		0.051
o-Xylene	**ND**		0.051
TPH-Gas	**ND**		5.1
Surrogate Recovery:			
Fluorobenzene	105%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 27, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051B
Project: 14697

NWTPH-Gx/BTEX
METHOD BLANK QUALITY CONTROL

Date Extracted: 8-20-09
Date Analyzed: 8-20-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0820S1

	Result	Flags	PQL
Benzene	**ND**		0.020
Toluene	**ND**		0.050
Ethyl Benzene	**ND**		0.050
m,p-Xylene	**ND**		0.050
o-Xylene	**ND**		0.050
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	99%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 27, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051B
Project: 14697

NWTPH-Gx/BTEX
DUPLICATE QUALITY CONTROL

Date Extracted: 8-20-09
Date Analyzed: 8-20-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	08-151-02 **Original**	08-151-02 **Duplicate**	**RPD**	**Flags**
Benzene	**ND**	**ND**	NA	
Toluene	**ND**	**ND**	NA	
Ethyl Benzene	**ND**	**ND**	NA	
m,p-Xylene	**ND**	**ND**	NA	
o-Xylene	**ND**	**ND**	NA	
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	115%	110%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 27, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051B
Project: 14697

NWTPH-Gx/BTEX
SB/SBD QUALITY CONTROL

Date Extracted: 8-20-09
Date Analyzed: 8-20-09

Matrix: Soil
Units: mg/kg (ppm)

Spike Level: 1.00 ppm

Lab ID:	SB0820S1 **SB**	Percent Recovery	SBD0820S1 **SBD**	Percent Recovery	**RPD**	**Flags**
Benzene	**0.950**	**95**	**0.947**	**95**	0	
Toluene	**0.984**	**98**	**0.991**	**99**	1	
Ethyl Benzene	**0.989**	**99**	**1.00**	**100**	1	
m,p-Xylene	**1.01**	**101**	**1.02**	**102**	1	
o-Xylene	**1.00**	**100**	**1.00**	**100**	1	

Surrogate Recovery:
Fluorobenzene 102% 102%

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 27, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051B
Project: 14697

% MOISTURE

Date Analyzed: 8-20-09

Client ID	Lab ID	% Moisture
KM-11-0809-7	08-051-15	5

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z1 - The chromatogram is similar to mineral spirits.

Z2 - The chromatogram is similar to gas with mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 4, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0908-051C

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on August 7, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

Case Narrative

Samples were collected on August 6, 2009, and received by the laboratory on August 7, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx and Volatiles EPA 8260B Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The extraction and analysis holding time for sample KM-16-0809-8 were exceeded by seven days.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Semivolatiles EPA 8270D/SIM Analysis

The extraction holding time for sample KM-16-0809-8 were exceeded by seven days.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

NWTPH-Gx

Date Extracted:	8-27-09
Date Analyzed:	8-27-09
Matrix: Soil	
Units: mg/kg (ppm)	
Client ID:	**KM-16-0809-8**
Lab ID:	08-051-02

	Result	Flags	PQL
TPH-Gas	**ND** J		5.2
Surrogate Recovery:			
Fluorobenzene	105%		

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-27-09
Date Analyzed:	8-27-09
Matrix: Soil	
Units: mg/kg (ppm)	
Lab ID:	MB0827S2

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	104%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 8-27-09
Date Analyzed: 8-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	08-157-28 **Original**	08-157-28 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	114%	109%		

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	8-27-09
Date Analyzed:	8-27-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-051-02
Client ID:	**KM-16-0809-8**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND	J	0.0012
Chloromethane	ND		0.0060
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0060
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	ND		0.0060
Iodomethane	ND		0.0060
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0060
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0060
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	ND		0.0060
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0060
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0060
Toluene	ND		0.0060
(trans) 1,3-Dichloropropene	ND		0.0012

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 08-051-02
Client ID: KM-16-0809-8

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND	J	0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0060
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0024
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0060
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0060
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	97	55-125
Toluene-d8	99	56-127
4-Bromofluorobenzene	93	54-130

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted:	8-27-09
Date Analyzed:	8-27-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0827S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Lab ID: MB0827S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	103	55-125
Toluene-d8	104	56-127
4-Bromofluorobenzene	97	54-130

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 8-27-09
Date Analyzed: 8-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB0827S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0524	105	0.0514	103	70-130	
Benzene	0.0500	0.0480	96	0.0455	91	70-128	
Trichloroethene	0.0500	0.0453	91	0.0457	91	70-124	
Toluene	0.0500	0.0480	96	0.0489	98	73-123	
Chlorobenzene	0.0500	0.0425	85	0.0435	87	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	2	16	
Benzene	5	15	
Trichloroethene	1	14	
Toluene	2	14	
Chlorobenzene	2	13	

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Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-16-0809-8**					
Laboratory ID:	08-051-02					
N-Nitrosodimethylamine	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Pyridine	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Phenol	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Aniline	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
bis(2-Chloroethyl)ether	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2-Chlorophenol	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
1,3-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
1,4-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Benzyl alcohol	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
1,2-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2-Methylphenol (o-Cresol)	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
bis(2-Chloroisopropyl)ether	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
N-Nitroso-di-n-propylamine	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Hexachloroethane	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Nitrobenzene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Isophorone	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2-Nitrophenol	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2,4-Dimethylphenol	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
bis(2-Chloroethoxy)methane	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2,4-Dichlorophenol	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
1,2,4-Trichlorobenzene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Naphthalene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
4-Chloroaniline	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Hexachlorobutadiene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
4-Chloro-3-methylphenol	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2-Methylnaphthalene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
1-Methylnaphthalene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
Hexachlorocyclopentadiene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2,4,6-Trichlorophenol	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2,3-Dichloroaniline	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2,4,5-Trichlorophenol	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2-Chloronaphthalene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2-Nitroaniline	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
1,4-Dinitrobenzene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Dimethylphthalate	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
1,3-Dinitrobenzene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2,6-Dinitrotoluene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
1,2-Dinitrobenzene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Acenaphthylene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
3-Nitroaniline	**ND**	0.035	EPA 8270	8-31-09	9-1-09	

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Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-16-0809-8**					
Laboratory ID:	08-051-02					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	8-31-09	9-1-09	
Acenaphthene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
4-Nitrophenol	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2,4-Dinitrotoluene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Dibenzofuran	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Diethylphthalate	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
4-Chlorophenyl-phenylether	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
4-Nitroaniline	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Fluorene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	8-31-09	9-1-09	
N-Nitrosodiphenylamine	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
1,2-Diphenylhydrazine	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
4-Bromophenyl-phenylether	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Hexachlorobenzene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Pentachlorophenol	**ND**	0.18	EPA 8270	8-31-09	9-1-09	
Phenanthrene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
Anthracene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
Carbazole	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Di-n-butylphthalate	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Fluoranthene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
Benzidine	**ND**	0.35	EPA 8270	8-31-09	9-1-09	
Pyrene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
Butylbenzylphthalate	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
bis-2-Ethylhexyladipate	**0.095**	0.035	EPA 8270	8-31-09	9-1-09	
3,3'-Dichlorobenzidine	**ND**	0.35	EPA 8270	8-31-09	9-1-09	
Benzo[a]anthracene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
Chrysene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Di-n-octylphthalate	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Benzo[b]fluoranthene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
Benzo[k]fluoranthene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
Benzo[a]pyrene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
Dibenz[a,h]anthracene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
Benzo[g,h,i]perylene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*65*	*19 - 97*				
Phenol-d6	*76*	*22 - 108*				
Nitrobenzene-d5	*66*	*21 - 106*				
2-Fluorobiphenyl	*59*	*29 - 107*				
2,4,6-Tribromophenol	*71*	*44 - 121*				
Terphenyl-d14	*77*	*37 - 120*				

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Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0831S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Pyridine	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Phenol	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Aniline	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Hexachloroethane	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Nitrobenzene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Isophorone	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	8-31-09	9-1-09	

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0831S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	8-31-09	9-1-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Dibenzofuran	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Diethylphthalate	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	8-31-09	9-1-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	8-31-09	9-1-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
Carbazole	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
Benzidine	**ND**	0.33	EPA 8270	8-31-09	9-1-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	8-31-09	9-1-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*58*	*19 - 97*				
Phenol-d6	*67*	*22 - 108*				
Nitrobenzene-d5	*61*	*21 - 106*				
2-Fluorobiphenyl	*55*	*29 - 107*				
2,4,6-Tribromophenol	*71*	*44 - 121*				
Terphenyl-d14	*79*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0831S1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**0.974**	**0.851**	1.33	1.33	73	64	27 - 100	13	37	
2-Chlorophenol	**0.860**	**0.724**	1.33	1.33	65	54	23 - 104	17	43	
1,4-Dichlorobenzene	**0.375**	**0.311**	0.667	0.667	56	47	23 - 86	19	40	
N-Nitroso-di-n-propylamine	**0.466**	**0.425**	0.667	0.667	70	64	28 - 96	9	37	
1,2,4-Trichlorobenzene	**0.351**	**0.289**	0.667	0.667	53	43	25 - 90	19	40	
4-Chloro-3-methylphenol	**1.00**	**0.913**	1.33	1.33	75	69	44 - 106	9	31	
Acenaphthene	**0.408**	**0.381**	0.667	0.667	61	57	39 - 93	7	28	
4-Nitrophenol	**1.18**	**0.988**	1.33	1.33	89	74	30 - 124	18	31	
2,4-Dinitrotoluene	**0.516**	**0.461**	0.667	0.667	77	69	53 - 109	11	34	
Pentachlorophenol	**0.883**	**0.777**	1.33	1.33	66	58	47 - 122	13	33	
Pyrene	**0.513**	**0.470**	0.667	0.667	77	70	55 - 108	9	29	
Surrogate:										
2-Fluorophenol					*64*	*54*	*19 - 97*			
Phenol-d6					*70*	*63*	*22 - 108*			
Nitrobenzene-d5					*64*	*55*	*21 - 106*			
2-Fluorobiphenyl					*57*	*54*	*29 - 107*			
2,4,6-Tribromophenol					*65*	*60*	*44 - 121*			
Terphenyl-d14					*73*	*67*	*37 - 120*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

% MOISTURE

Date Analyzed: 8-27-09

Client ID	Lab ID	% Moisture
KM-16-0809-8	08-051-02	6

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

OnSite Environmental Inc.
Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: Amec Geomatrix
Project Number: 14697
Project Name: Kelly Moore Phase II
Project Managers: Tasya Gray
Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

☐ Same Day ☐ 1 Day
☐ 2 Day ☐ 3 Day
☒ Standard (7 working days)
(TPH analysis 5 working days)
☐ _____ (other)

Laboratory Number: 08-051

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664						HOLD	% Moisture
1	KM-16-0809-4	8/6/09	715	S	6		X	X	X		X		X			X									X
2	KM-16-0809-8		720	S	6		■	X	■		■		X			X								X	■
3	KM-15-0809-4		855	S	6		X	X	X		X		X			X									X
4	KM-15-0809-6,5		905	S	6		X	X	X		X		X			X								X	
5	KM-14-0809-2		1045	S	6		X	X	X		X		X			X									X
6	KM-14-0809-7		1050	S	6		X	X	X		X		X			X		HOLD.						⊗	X
7	KM-16-0809-W		0800	W	12		X	X	X		X		X			X									
8	KM-15-0809-W		0950	W	12		X	X	X		X		X			X								X	
9	KM-14-0809-W		1130	W	12		⊗	⊗	⊗		⊗		⊗			⊗								X	
10	KM-13-0809-2	↓	1215	S	6		X	X	X		X		X			X									X

	Signature	Company	Date	Time
Relinquished by		Amec GMX	8/7/09	850
Received by		Speedy	8/7/09	850
Relinquished by		Speedy	8/7/09	10:35
Received by			8/7/09	1035
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions

* Hold: KM-16-0809-8
KM-150809-6,5
KM-14-0809-W
KM-15-0809-W

⊗ Added 8/10/09. DB
● Added 8/20/09. DB
■ Added 8/27/09. DB

Chromatograms with final report ☑

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

Chain of Custody

OnSite Environmental Inc.
Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: Amec Geomatrix
Project Number: 14697
Project Name: Kelly Moore
Project Manager: Tasya Gray
Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Day ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 08-051

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	HOLD	% Moisture
11	KM-10-0809-2	8/6/09	1340	S	6		X	X	X		X		X			X				X
12	KM-10-0809-5.5		1350	S	6		X	X	X		X		X			X				X
13	KM-10-0809-W		1430	W	12		⊗	⊗	⊗		⊗		⊗			⊗			X	
14	KM-11-0809-2.5		1505	S	6		X	X	X		X		X			X				X
15	KM-11-0809-7		1515	S	6		●	X	X		X		X			X			X	●
16	KM-11-0809-W		1555	W	12		X	X	X		X		X			X			X	

	Signature	Company	Date	Time
Relinquished by		Amec GMX	8/7/09	850
Received by		Speedy	8/7/09	850
Relinquished by		Speedy	8/7/09	10:35
Received by			8/7/09	1035
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions:

*Hold: KM-10-0809-W
KM-11-0809-W
KM-11-0809-7

⊗ Added 8/10/09. DB
● Added 8/20/09. DB

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

August 24, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0908-054

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on August 8, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

Case Narrative

Samples were collected on August 7, 2009, and received by the laboratory on August 8, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx EPA 8260B Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Volatiles EPA 8260B Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Some MTCA cleanup levels are non-achievable for samples KM-7-0809-7 and KM-6-0809-2 due to the necessary dilution of the samples.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Semivolatiles EPA 8270D/SIM Analysis

Samples KM-8-0809-7 and method blank MB0817S1 had one surrogate recovery out of control limits. This is within allowance of our standard operation procedure as long as the recovery is above 10%.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Gx

Date Extracted:	8-10-09	
Date Analyzed:	8-10&14-09	
Matrix: Soil		
Units: mg/kg (ppm)		
Client ID:	**KM-7-0809-2**	**KM-7-0809-7**
Lab ID:	08-054-01	08-054-02

	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**1200**	**Z1**	19	**2300**	**Z2**	590
Surrogate Recovery:						
Fluorobenzene	90%			---	**S**	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Gx

Date Extracted:	8-10-09					
Date Analyzed:	8-10&14-09					
Matrix: Soil						
Units: mg/kg (ppm)						
Client ID:	**KM-8-0809-2**			**KM-8-0809-7**		
Lab ID:	08-054-04			08-054-05		
	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**80**	**T**	14	**8400**	**Z1**	110
Surrogate Recovery:						
Fluorobenzene	85%			85%		

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Gx

Date Extracted:	8-10-09					
Date Analyzed:	8-10&14-09					
Matrix: Soil						
Units: mg/kg (ppm)						
Client ID:	**KM-12-0809-2**			**KM-5-0809-2.5**		
Lab ID:	08-054-07			08-054-10		
	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**ND**		5.0	**35**	**Z2**	7.2
Surrogate Recovery:						
Fluorobenzene	99%			90%		

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Gx

Date Extracted:	8-10-09					
Date Analyzed:	8-14-09					
Matrix: Soil						
Units: mg/kg (ppm)						
Client ID:	**KM-5-0809-6.5**			**KM-6-0809-2**		
Lab ID:	08-054-11			08-054-13		
	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**4400**	**Z2**	1200	**110**	**Z2**	62
Surrogate Recovery:						
Fluorobenzene	---	**S**		92%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Gx

Date Extracted:	8-10-09
Date Analyzed:	8-14-09
Matrix: Soil	
Units: mg/kg (ppm)	
Client ID:	**KM-6-0809-4**
Lab ID:	08-054-14

	Result	Flags	PQL
TPH-Gas	**1200**	**Z2**	120
Surrogate Recovery:			
Fluorobenzene	83%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0810S2

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	85%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 8-10-09
Date Analyzed: 8-14-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	08-054-07 **Original**	08-054-07 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	99%	95%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Gx

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Water
Units: ug/L (ppb)

Client ID:	**KM-7-0809-W**			**KM-5-0809-W**		
Lab ID:	08-054-03			08-054-12		
	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**ND**		100	**290**		100
Surrogate Recovery:						
Fluorobenzene	94%			95%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0810W2

	Result	Flags	PQL
TPH-Gas	**ND**		100
Surrogate Recovery:			
Fluorobenzene	94%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 8-12-09
Date Analyzed: 8-12-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0812W1

	Result	Flags	PQL
TPH-Gas	**ND**		100
Surrogate Recovery:			
Fluorobenzene	93%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 8-10&12-09
Date Analyzed: 8-10&12-09

Matrix: Water
Units: ug/L (ppb)

Lab ID:	08-045-02 **Original**	08-045-02 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	98%	94%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Dx

Date Extracted: 8-13-09
Date Analyzed: 8-13-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID:	**KM-7-0809-2**	**KM-7-0809-7**	**KM-8-0809-2**
Lab ID:	08-054-01	08-054-02	08-054-04
Diesel Range:	**ND**	**ND**	**34**
PQL:	94	920	33
Identification:	---	---	Diesel Range Organics
Lube Oil Range:	**97**	**ND**	**140**
PQL:	74	57	65
Identification:	Lube Oil	---	Lube Oil
Surrogate Recovery			
o-Terphenyl:	88%	90%	109%
Flags:	Y,U1	Y,U1	Y

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Dx

Date Extracted: 8-13-09
Date Analyzed: 8-13-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID:	**KM-8-0809-7**	**KM-12-0809-2**	**KM-5-0809-2.5**
Lab ID:	08-054-05	08-054-07	08-054-10
Diesel Range:	**ND**	**ND**	**ND**
PQL:	2200	26	32
Identification:	---	---	---
Lube Oil Range:	**ND**	**ND**	**ND**
PQL:	54	53	64
Identification:	---	---	---
Surrogate Recovery			
o-Terphenyl:	89%	108%	119%
Flags:	Y,U1	Y	Y

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Dx

Date Extracted:	8-13-09
Date Analyzed:	8-13-09
Matrix:	Soil
Units:	mg/kg (ppm)

Client ID:	**KM-5-0809-6.5**	**KM-6-0809-2**	**KM-6-0809-4**
Lab ID:	08-054-11	08-054-13	08-054-14
Diesel Range:	**ND**	**ND**	**ND**
PQL:	840	27	36
Identification:	---	---	---
Lube Oil Range:	**ND**	**ND**	**ND**
PQL:	53	54	53
Identification:	---	---	---
Surrogate Recovery			
o-Terphenyl:	107%	107%	109%
Flags:	Y,U1	Y	Y,U1

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-13-09
Date Analyzed:	8-13-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0813S2
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	91%
Flags:	Y

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	8-13-09
Date Analyzed:	8-13-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	08-054-07	08-054-07 DUP
Diesel Range:	**ND**	**ND**
PQL:	25	25
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	108%	126%
Flags:	Y	Y

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Dx

Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Water
Units:	mg/L (ppm)

Client ID:	**KM-7-0809-W**	**KM-5-0809-W**
Lab ID:	08-054-03	08-054-12
Diesel Range:	**ND**	**ND**
PQL:	0.28	0.28
Identification:	---	---
Lube Oil Range:	**ND**	**ND**
PQL:	0.44	0.45
Identification:	---	---
Surrogate Recovery		
o-Terphenyl:	86%	78%
Flags:	Y	Y

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
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NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Water
Units:	mg/L (ppm)
Lab ID:	MB0810W1
Diesel Range:	**ND**
PQL:	0.25
Identification:	---
Lube Oil Range:	**ND**
PQL:	0.40
Identification:	---
Surrogate Recovery	
o-Terphenyl:	83%
Flags:	Y

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
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NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Water
Units:	mg/L (ppm)

Lab ID:	08-035-08	08-035-08 DUP
Diesel Range:	**ND**	**ND**
PQL:	0.27	0.28
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	78%	93%
Flags:	Y	Y

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Date Extracted:	8-10-09
Date Analyzed:	8-11-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-054-01
Client ID:	**KM-7-0809-2**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		2.0
Chloromethane	ND		9.9
Vinyl Chloride	ND		2.0
Bromomethane	ND		2.0
Chloroethane	ND		9.9
Trichlorofluoromethane	ND		2.0
1,1-Dichloroethene	ND		2.0
Acetone	ND		9.9
Iodomethane	ND		9.9
Carbon Disulfide	ND		2.0
Methylene Chloride	ND		9.9
(trans) 1,2-Dichloroethene	ND		2.0
Methyl t-Butyl Ether	ND		2.0
1,1-Dichloroethane	ND		2.0
Vinyl Acetate	ND		9.9
2,2-Dichloropropane	ND		2.0
(cis) 1,2-Dichloroethene	ND		2.0
2-Butanone	ND		9.9
Bromochloromethane	ND		2.0
Chloroform	ND		2.0
1,1,1-Trichloroethane	ND		2.0
Carbon Tetrachloride	ND		2.0
1,1-Dichloropropene	ND		2.0
Benzene	ND		2.0
1,2-Dichloroethane	ND		2.0
Trichloroethene	ND		2.0
1,2-Dichloropropane	ND		2.0
Dibromomethane	ND		2.0
Bromodichloromethane	ND		2.0
2-Chloroethyl Vinyl Ether	ND		9.9
(cis) 1,3-Dichloropropene	ND		2.0
Methyl Isobutyl Ketone	47		9.9
Toluene	1200		50
(trans) 1,3-Dichloropropene	ND		2.0

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Lab ID: 08-054-01
Client ID: KM-7-0809-2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		2.0
Tetrachloroethene	ND		2.0
1,3-Dichloropropane	ND		2.0
2-Hexanone	ND		9.9
Dibromochloromethane	ND		2.0
1,2-Dibromoethane	ND		2.0
Chlorobenzene	ND		2.0
1,1,1,2-Tetrachloroethane	ND		2.0
Ethylbenzene	57		2.0
m,p-Xylene	210		4.0
o-Xylene	59		2.0
Styrene	ND		2.0
Bromoform	ND		2.0
Isopropylbenzene	ND		2.0
Bromobenzene	ND		2.0
1,1,2,2-Tetrachloroethane	ND		2.0
1,2,3-Trichloropropane	ND		2.0
n-Propylbenzene	ND		2.0
2-Chlorotoluene	ND		2.0
4-Chlorotoluene	ND		2.0
1,3,5-Trimethylbenzene	ND		2.0
tert-Butylbenzene	ND		2.0
1,2,4-Trimethylbenzene	3.6		2.0
sec-Butylbenzene	ND		2.0
1,3-Dichlorobenzene	ND		2.0
p-Isopropyltoluene	ND		2.0
1,4-Dichlorobenzene	ND		2.0
1,2-Dichlorobenzene	ND		2.0
n-Butylbenzene	ND		2.0
1,2-Dibromo-3-chloropropane	ND		9.9
1,2,4-Trichlorobenzene	ND		2.0
Hexachlorobutadiene	ND		9.9
Naphthalene	ND		2.0
1,2,3-Trichlorobenzene	ND		2.0

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	75	55-125
Toluene-d8	86	56-127
4-Bromofluorobenzene	102	54-130

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Date Extracted: 8-10-09
Date Analyzed: 8-11-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-02
Client ID: KM-7-0809-7

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.072
Chloromethane	ND		0.36
Vinyl Chloride	ND		0.072
Bromomethane	ND		0.072
Chloroethane	ND		0.36
Trichlorofluoromethane	ND		0.072
1,1-Dichloroethene	ND		0.072
Acetone	0.36		0.36
Iodomethane	ND		0.36
Carbon Disulfide	ND		0.072
Methylene Chloride	ND		0.36
(trans) 1,2-Dichloroethene	ND		0.072
Methyl t-Butyl Ether	ND		0.072
1,1-Dichloroethane	ND		0.072
Vinyl Acetate	ND		0.36
2,2-Dichloropropane	ND		0.072
(cis) 1,2-Dichloroethene	ND		0.072
2-Butanone	ND		0.36
Bromochloromethane	ND		0.072
Chloroform	ND		0.072
1,1,1-Trichloroethane	ND		0.072
Carbon Tetrachloride	ND		0.072
1,1-Dichloropropene	ND		0.072
Benzene	ND		0.072
1,2-Dichloroethane	ND		0.072
Trichloroethene	ND		0.072
1,2-Dichloropropane	ND		0.072
Dibromomethane	ND		0.072
Bromodichloromethane	ND		0.072
2-Chloroethyl Vinyl Ether	ND		0.36
(cis) 1,3-Dichloropropene	ND		0.072
Methyl Isobutyl Ketone	ND		0.36
Toluene	ND		0.36
(trans) 1,3-Dichloropropene	ND		0.072

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Lab ID: 08-054-02
Client ID: KM-7-0809-7

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.072
Tetrachloroethene	ND		0.072
1,3-Dichloropropane	ND		0.072
2-Hexanone	ND		0.36
Dibromochloromethane	ND		0.072
1,2-Dibromoethane	ND		0.072
Chlorobenzene	ND		0.072
1,1,1,2-Tetrachloroethane	ND		0.072
Ethylbenzene	ND		0.072
m,p-Xylene	ND		0.14
o-Xylene	ND		0.072
Styrene	ND		0.072
Bromoform	ND		0.072
Isopropylbenzene	0.25		0.072
Bromobenzene	ND		0.072
1,1,2,2-Tetrachloroethane	ND		0.072
1,2,3-Trichloropropane	ND		0.072
n-Propylbenzene	0.40		0.072
2-Chlorotoluene	ND		0.072
4-Chlorotoluene	ND		0.072
1,3,5-Trimethylbenzene	ND		0.072
tert-Butylbenzene	ND		0.072
1,2,4-Trimethylbenzene	ND		0.072
sec-Butylbenzene	0.12		0.072
1,3-Dichlorobenzene	ND		0.072
p-Isopropyltoluene	ND		0.072
1,4-Dichlorobenzene	ND		0.072
1,2-Dichlorobenzene	ND		0.072
n-Butylbenzene	0.19		0.072
1,2-Dibromo-3-chloropropane	ND		0.36
1,2,4-Trichlorobenzene	ND		0.072
Hexachlorobutadiene	ND		0.36
Naphthalene	ND		0.072
1,2,3-Trichlorobenzene	ND		0.072

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	74	55-125
Toluene-d8	82	56-127
4-Bromofluorobenzene	104	54-130

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Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-054-04
Client ID:	**KM-8-0809-2**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.081
Chloromethane	ND		0.41
Vinyl Chloride	ND		0.081
Bromomethane	ND		0.081
Chloroethane	ND		0.41
Trichlorofluoromethane	ND		0.081
1,1-Dichloroethene	ND		0.081
Acetone	ND		0.41
Iodomethane	ND		0.41
Carbon Disulfide	ND		0.081
Methylene Chloride	ND		0.41
(trans) 1,2-Dichloroethene	ND		0.081
Methyl t-Butyl Ether	ND		0.081
1,1-Dichloroethane	ND		0.081
Vinyl Acetate	ND		0.41
2,2-Dichloropropane	ND		0.081
(cis) 1,2-Dichloroethene	ND		0.081
2-Butanone	ND		0.41
Bromochloromethane	ND		0.081
Chloroform	ND		0.081
1,1,1-Trichloroethane	ND		0.081
Carbon Tetrachloride	ND		0.081
1,1-Dichloropropene	ND		0.081
Benzene	0.13		0.081
1,2-Dichloroethane	ND		0.081
Trichloroethene	ND		0.081
1,2-Dichloropropane	ND		0.081
Dibromomethane	ND		0.081
Bromodichloromethane	ND		0.081
2-Chloroethyl Vinyl Ether	ND		0.41
(cis) 1,3-Dichloropropene	ND		0.081
Methyl Isobutyl Ketone	ND		0.41
Toluene	ND		0.41
(trans) 1,3-Dichloropropene	ND		0.081

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Lab ID: 08-054-04
Client ID: KM-8-0809-2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.081
Tetrachloroethene	ND		0.081
1,3-Dichloropropane	ND		0.081
2-Hexanone	ND		0.41
Dibromochloromethane	ND		0.081
1,2-Dibromoethane	ND		0.081
Chlorobenzene	ND		0.081
1,1,1,2-Tetrachloroethane	ND		0.081
Ethylbenzene	0.45		0.081
m,p-Xylene	7.4		0.16
o-Xylene	ND		0.081
Styrene	ND		0.081
Bromoform	ND		0.081
Isopropylbenzene	0.085		0.081
Bromobenzene	ND		0.081
1,1,2,2-Tetrachloroethane	ND		0.081
1,2,3-Trichloropropane	ND		0.081
n-Propylbenzene	ND		0.081
2-Chlorotoluene	ND		0.081
4-Chlorotoluene	ND		0.081
1,3,5-Trimethylbenzene	ND		0.081
tert-Butylbenzene	ND		0.081
1,2,4-Trimethylbenzene	0.16		0.081
sec-Butylbenzene	ND		0.081
1,3-Dichlorobenzene	ND		0.081
p-Isopropyltoluene	ND		0.081
1,4-Dichlorobenzene	ND		0.081
1,2-Dichlorobenzene	ND		0.081
n-Butylbenzene	ND		0.081
1,2-Dibromo-3-chloropropane	ND		0.41
1,2,4-Trichlorobenzene	ND		0.081
Hexachlorobutadiene	ND		0.41
Naphthalene	0.14		0.081
1,2,3-Trichlorobenzene	ND		0.081

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	72	55-125
Toluene-d8	82	56-127
4-Bromofluorobenzene	111	54-130

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Date Extracted:	8-10-09
Date Analyzed:	8-11-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-054-05
Client ID:	**KM-8-0809-7**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		2.4
Chloromethane	ND		12
Vinyl Chloride	ND		2.4
Bromomethane	ND		2.4
Chloroethane	ND		12
Trichlorofluoromethane	ND		2.4
1,1-Dichloroethene	ND		2.4
Acetone	ND		12
Iodomethane	ND		12
Carbon Disulfide	ND		2.4
Methylene Chloride	ND		12
(trans) 1,2-Dichloroethene	ND		2.4
Methyl t-Butyl Ether	ND		2.4
1,1-Dichloroethane	ND		2.4
Vinyl Acetate	ND		12
2,2-Dichloropropane	ND		2.4
(cis) 1,2-Dichloroethene	ND		2.4
2-Butanone	ND		12
Bromochloromethane	ND		2.4
Chloroform	ND		2.4
1,1,1-Trichloroethane	ND		2.4
Carbon Tetrachloride	ND		2.4
1,1-Dichloropropene	ND		2.4
Benzene	ND		2.4
1,2-Dichloroethane	ND		2.4
Trichloroethene	ND		2.4
1,2-Dichloropropane	ND		2.4
Dibromomethane	ND		2.4
Bromodichloromethane	ND		2.4
2-Chloroethyl Vinyl Ether	ND		12
(cis) 1,3-Dichloropropene	ND		2.4
Methyl Isobutyl Ketone	ND		12
Toluene	ND		12
(trans) 1,3-Dichloropropene	ND		2.4

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Lab ID: 08-054-05
Client ID: KM-8-0809-7

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		2.4
Tetrachloroethene	ND		2.4
1,3-Dichloropropane	ND		2.4
2-Hexanone	ND		12
Dibromochloromethane	ND		2.4
1,2-Dibromoethane	ND		2.4
Chlorobenzene	ND		2.4
1,1,1,2-Tetrachloroethane	ND		2.4
Ethylbenzene	330		2.4
m,p-Xylene	590		4.8
o-Xylene	ND		2.4
Styrene	ND		2.4
Bromoform	ND		2.4
Isopropylbenzene	6.4		2.4
Bromobenzene	ND		2.4
1,1,2,2-Tetrachloroethane	ND		2.4
1,2,3-Trichloropropane	ND		2.4
n-Propylbenzene	7.5		2.4
2-Chlorotoluene	ND		2.4
4-Chlorotoluene	ND		2.4
1,3,5-Trimethylbenzene	10		2.4
tert-Butylbenzene	ND		2.4
1,2,4-Trimethylbenzene	27		2.4
sec-Butylbenzene	ND		2.4
1,3-Dichlorobenzene	ND		2.4
p-Isopropyltoluene	ND		2.4
1,4-Dichlorobenzene	ND		2.4
1,2-Dichlorobenzene	ND		2.4
n-Butylbenzene	ND		2.4
1,2-Dibromo-3-chloropropane	ND		12
1,2,4-Trichlorobenzene	ND		2.4
Hexachlorobutadiene	ND		12
Naphthalene	ND		2.4
1,2,3-Trichlorobenzene	ND		2.4

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	75	55-125
Toluene-d8	82	56-127
4-Bromofluorobenzene	112	54-130

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Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-054-07
Client ID:	**KM-12-0809-2**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0060
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0060
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	ND		0.0060
Iodomethane	ND		0.0060
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0060
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0060
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	ND		0.0060
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0060
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0060
Toluene	ND		0.0060
(trans) 1,3-Dichloropropene	ND		0.0012

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Lab ID: 08-054-07
Client ID: KM-12-0809-2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0060
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0024
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0060
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0060
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	77	55-125
Toluene-d8	87	56-127
4-Bromofluorobenzene	114	54-130

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

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Date Extracted:	8-11-09
Date Analyzed:	8-11-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-054-10
Client ID:	**KM-5-0809-2.5**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0016
Chloromethane	ND		0.0078
Vinyl Chloride	ND		0.0016
Bromomethane	ND		0.0016
Chloroethane	ND		0.0078
Trichlorofluoromethane	ND		0.0016
1,1-Dichloroethene	ND		0.0016
Acetone	0.076		0.0078
Iodomethane	ND		0.0078
Carbon Disulfide	ND		0.0016
Methylene Chloride	ND		0.0078
(trans) 1,2-Dichloroethene	ND		0.0016
Methyl t-Butyl Ether	ND		0.0016
1,1-Dichloroethane	ND		0.0016
Vinyl Acetate	ND		0.0078
2,2-Dichloropropane	ND		0.0016
(cis) 1,2-Dichloroethene	ND		0.0016
2-Butanone	0.011		0.0078
Bromochloromethane	ND		0.0016
Chloroform	ND		0.0016
1,1,1-Trichloroethane	ND		0.0016
Carbon Tetrachloride	ND		0.0016
1,1-Dichloropropene	ND		0.0016
Benzene	ND		0.0016
1,2-Dichloroethane	ND		0.0016
Trichloroethene	ND		0.0016
1,2-Dichloropropane	ND		0.0016
Dibromomethane	ND		0.0016
Bromodichloromethane	ND		0.0016
2-Chloroethyl Vinyl Ether	ND		0.0078
(cis) 1,3-Dichloropropene	ND		0.0016
Methyl Isobutyl Ketone	ND		0.0078
Toluene	ND		0.0078
(trans) 1,3-Dichloropropene	ND		0.0016

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Lab ID: 08-054-10
Client ID: KM-5-0809-2.5

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0016
Tetrachloroethene	ND		0.0016
1,3-Dichloropropane	ND		0.0016
2-Hexanone	ND		0.0078
Dibromochloromethane	ND		0.0016
1,2-Dibromoethane	ND		0.0016
Chlorobenzene	ND		0.0016
1,1,1,2-Tetrachloroethane	ND		0.0016
Ethylbenzene	0.0061		0.0016
m,p-Xylene	ND		0.0031
o-Xylene	ND		0.0016
Styrene	ND		0.0016
Bromoform	ND		0.0016
Isopropylbenzene	0.015		0.0016
Bromobenzene	ND		0.0016
1,1,2,2-Tetrachloroethane	ND		0.0016
1,2,3-Trichloropropane	ND		0.0016
n-Propylbenzene	0.016		0.0016
2-Chlorotoluene	ND		0.0016
4-Chlorotoluene	ND		0.0016
1,3,5-Trimethylbenzene	ND		0.0016
tert-Butylbenzene	ND		0.0016
1,2,4-Trimethylbenzene	ND		0.0016
sec-Butylbenzene	0.0030		0.0016
1,3-Dichlorobenzene	ND		0.0016
p-Isopropyltoluene	ND		0.0016
1,4-Dichlorobenzene	ND		0.0016
1,2-Dichlorobenzene	ND		0.0016
n-Butylbenzene	ND		0.0016
1,2-Dibromo-3-chloropropane	ND		0.0078
1,2,4-Trichlorobenzene	ND		0.0016
Hexachlorobutadiene	ND		0.0078
Naphthalene	0.0038		0.0016
1,2,3-Trichlorobenzene	ND		0.0016

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	79	55-125
Toluene-d8	93	56-127
4-Bromofluorobenzene	106	54-130

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Date Extracted:	8-10-09
Date Analyzed:	8-11-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-054-11
Client ID:	**KM-5-0809-6.5**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.30
Chloromethane	ND		1.5
Vinyl Chloride	ND		0.30
Bromomethane	ND		0.30
Chloroethane	ND		1.5
Trichlorofluoromethane	ND		0.30
1,1-Dichloroethene	ND		0.30
Acetone	ND		1.5
Iodomethane	ND		1.5
Carbon Disulfide	ND		0.30
Methylene Chloride	ND		1.5
(trans) 1,2-Dichloroethene	ND		0.30
Methyl t-Butyl Ether	ND		0.30
1,1-Dichloroethane	ND		0.30
Vinyl Acetate	ND		1.5
2,2-Dichloropropane	ND		0.30
(cis) 1,2-Dichloroethene	ND		0.30
2-Butanone	ND		1.5
Bromochloromethane	ND		0.30
Chloroform	ND		0.30
1,1,1-Trichloroethane	ND		0.30
Carbon Tetrachloride	ND		0.30
1,1-Dichloropropene	ND		0.30
Benzene	ND		0.30
1,2-Dichloroethane	ND		0.30
Trichloroethene	ND		0.30
1,2-Dichloropropane	ND		0.30
Dibromomethane	ND		0.30
Bromodichloromethane	ND		0.30
2-Chloroethyl Vinyl Ether	ND		1.5
(cis) 1,3-Dichloropropene	ND		0.30
Methyl Isobutyl Ketone	ND		1.5
Toluene	ND		1.5
(trans) 1,3-Dichloropropene	ND		0.30

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Lab ID: 08-054-11
Client ID: KM-5-0809-6.5

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.30
Tetrachloroethene	ND		0.30
1,3-Dichloropropane	ND		0.30
2-Hexanone	ND		1.5
Dibromochloromethane	ND		0.30
1,2-Dibromoethane	ND		0.30
Chlorobenzene	ND		0.30
1,1,1,2-Tetrachloroethane	ND		0.30
Ethylbenzene	23		0.30
m,p-Xylene	ND		0.59
o-Xylene	ND		0.30
Styrene	ND		0.30
Bromoform	ND		0.30
Isopropylbenzene	1.6		0.30
Bromobenzene	ND		0.30
1,1,2,2-Tetrachloroethane	ND		0.30
1,2,3-Trichloropropane	ND		0.30
n-Propylbenzene	1.7		0.30
2-Chlorotoluene	ND		0.30
4-Chlorotoluene	ND		0.30
1,3,5-Trimethylbenzene	ND		0.30
tert-Butylbenzene	ND		0.30
1,2,4-Trimethylbenzene	ND		0.30
sec-Butylbenzene	0.36		0.30
1,3-Dichlorobenzene	ND		0.30
p-Isopropyltoluene	ND		0.30
1,4-Dichlorobenzene	ND		0.30
1,2-Dichlorobenzene	ND		0.30
n-Butylbenzene	0.55		0.30
1,2-Dibromo-3-chloropropane	ND		1.5
1,2,4-Trichlorobenzene	ND		0.30
Hexachlorobutadiene	ND		1.5
Naphthalene	ND		0.30
1,2,3-Trichlorobenzene	ND		0.30

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	76	55-125
Toluene-d8	87	56-127
4-Bromofluorobenzene	105	54-130

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Date Extracted:	8-10-09
Date Analyzed:	8-11-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-054-13
Client ID:	**KM-6-0809-2**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.064
Chloromethane	ND		0.32
Vinyl Chloride	ND		0.064
Bromomethane	ND		0.064
Chloroethane	ND		0.32
Trichlorofluoromethane	ND		0.064
1,1-Dichloroethene	ND		0.064
Acetone	ND		0.32
Iodomethane	ND		0.32
Carbon Disulfide	ND		0.064
Methylene Chloride	ND		0.32
(trans) 1,2-Dichloroethene	ND		0.064
Methyl t-Butyl Ether	ND		0.064
1,1-Dichloroethane	ND		0.064
Vinyl Acetate	ND		0.32
2,2-Dichloropropane	ND		0.064
(cis) 1,2-Dichloroethene	ND		0.064
2-Butanone	ND		0.32
Bromochloromethane	ND		0.064
Chloroform	ND		0.064
1,1,1-Trichloroethane	ND		0.064
Carbon Tetrachloride	ND		0.064
1,1-Dichloropropene	ND		0.064
Benzene	ND		0.064
1,2-Dichloroethane	ND		0.064
Trichloroethene	ND		0.064
1,2-Dichloropropane	ND		0.064
Dibromomethane	ND		0.064
Bromodichloromethane	ND		0.064
2-Chloroethyl Vinyl Ether	ND		0.32
(cis) 1,3-Dichloropropene	ND		0.064
Methyl Isobutyl Ketone	ND		0.32
Toluene	ND		0.32
(trans) 1,3-Dichloropropene	ND		0.064

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Lab ID: 08-054-13
Client ID: KM-6-0809-2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.064
Tetrachloroethene	ND		0.064
1,3-Dichloropropane	ND		0.064
2-Hexanone	ND		0.32
Dibromochloromethane	ND		0.064
1,2-Dibromoethane	ND		0.064
Chlorobenzene	ND		0.064
1,1,1,2-Tetrachloroethane	ND		0.064
Ethylbenzene	ND		0.064
m,p-Xylene	ND		0.13
o-Xylene	ND		0.064
Styrene	ND		0.064
Bromoform	ND		0.064
Isopropylbenzene	ND		0.064
Bromobenzene	ND		0.064
1,1,2,2-Tetrachloroethane	ND		0.064
1,2,3-Trichloropropane	ND		0.064
n-Propylbenzene	ND		0.064
2-Chlorotoluene	ND		0.064
4-Chlorotoluene	ND		0.064
1,3,5-Trimethylbenzene	ND		0.064
tert-Butylbenzene	ND		0.064
1,2,4-Trimethylbenzene	ND		0.064
sec-Butylbenzene	ND		0.064
1,3-Dichlorobenzene	ND		0.064
p-Isopropyltoluene	ND		0.064
1,4-Dichlorobenzene	ND		0.064
1,2-Dichlorobenzene	ND		0.064
n-Butylbenzene	ND		0.064
1,2-Dibromo-3-chloropropane	ND		0.32
1,2,4-Trichlorobenzene	ND		0.064
Hexachlorobutadiene	ND		0.32
Naphthalene	ND		0.064
1,2,3-Trichlorobenzene	ND		0.064

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	73	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	102	54-130

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Date Extracted:	8-10-09
Date Analyzed:	8-11-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-054-14
Client ID:	**KM-6-0809-4**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.062
Chloromethane	ND		0.31
Vinyl Chloride	ND		0.062
Bromomethane	ND		0.062
Chloroethane	ND		0.31
Trichlorofluoromethane	ND		0.062
1,1-Dichloroethene	ND		0.062
Acetone	ND		0.31
Iodomethane	ND		0.31
Carbon Disulfide	ND		0.062
Methylene Chloride	ND		0.31
(trans) 1,2-Dichloroethene	ND		0.062
Methyl t-Butyl Ether	ND		0.062
1,1-Dichloroethane	ND		0.062
Vinyl Acetate	ND		0.31
2,2-Dichloropropane	ND		0.062
(cis) 1,2-Dichloroethene	ND		0.062
2-Butanone	ND		0.31
Bromochloromethane	ND		0.062
Chloroform	ND		0.062
1,1,1-Trichloroethane	ND		0.062
Carbon Tetrachloride	ND		0.062
1,1-Dichloropropene	ND		0.062
Benzene	ND		0.062
1,2-Dichloroethane	ND		0.062
Trichloroethene	ND		0.062
1,2-Dichloropropane	ND		0.062
Dibromomethane	ND		0.062
Bromodichloromethane	ND		0.062
2-Chloroethyl Vinyl Ether	ND		0.31
(cis) 1,3-Dichloropropene	ND		0.062
Methyl Isobutyl Ketone	ND		0.31
Toluene	0.33		0.31
(trans) 1,3-Dichloropropene	ND		0.062

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Lab ID: 08-054-14
Client ID: KM-6-0809-4

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.062
Tetrachloroethene	ND		0.062
1,3-Dichloropropane	ND		0.062
2-Hexanone	ND		0.31
Dibromochloromethane	ND		0.062
1,2-Dibromoethane	ND		0.062
Chlorobenzene	ND		0.062
1,1,1,2-Tetrachloroethane	ND		0.062
Ethylbenzene	8.3		0.062
m,p-Xylene	11		0.12
o-Xylene	1.8		0.062
Styrene	ND		0.062
Bromoform	ND		0.062
Isopropylbenzene	0.77		0.062
Bromobenzene	ND		0.062
1,1,2,2-Tetrachloroethane	ND		0.062
1,2,3-Trichloropropane	ND		0.062
n-Propylbenzene	0.90		0.062
2-Chlorotoluene	ND		0.062
4-Chlorotoluene	ND		0.062
1,3,5-Trimethylbenzene	0.35		0.062
tert-Butylbenzene	ND		0.062
1,2,4-Trimethylbenzene	1.3		0.062
sec-Butylbenzene	0.14		0.062
1,3-Dichlorobenzene	ND		0.062
p-Isopropyltoluene	0.088		0.062
1,4-Dichlorobenzene	ND		0.062
1,2-Dichlorobenzene	ND		0.062
n-Butylbenzene	ND		0.062
1,2-Dibromo-3-chloropropane	ND		0.31
1,2,4-Trichlorobenzene	ND		0.062
Hexachlorobutadiene	ND		0.31
Naphthalene	0.21		0.062
1,2,3-Trichlorobenzene	ND		0.062

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	76	55-125
Toluene-d8	86	56-127
4-Bromofluorobenzene	113	54-130

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Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0810S2

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: MB0810S2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	78	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	118	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date Extracted: 8-11-09
Date Analyzed: 8-11-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0811S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: MB0811S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	85	55-125
Toluene-d8	96	56-127
4-Bromofluorobenzene	114	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB0810S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0393	79	0.0393	79	70-130	
Benzene	0.0500	0.0355	71	0.0353	71	70-128	
Trichloroethene	0.0500	0.0372	74	0.0391	78	70-124	
Toluene	0.0500	0.0373	75	0.0382	76	73-123	
Chlorobenzene	0.0500	0.0489	98	0.0497	99	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	0	16	
Benzene	1	15	
Trichloroethene	5	14	
Toluene	2	14	
Chlorobenzene	2	13	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 8-11-09
Date Analyzed: 8-11-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB0811S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0401	80	0.0394	79	70-130	
Benzene	0.0500	0.0360	72	0.0370	74	70-128	
Trichloroethene	0.0500	0.0402	80	0.0428	86	70-124	
Toluene	0.0500	0.0394	79	0.0406	81	73-123	
Chlorobenzene	0.0500	0.0507	101	0.0523	105	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	2	16	
Benzene	3	15	
Trichloroethene	6	14	
Toluene	3	14	
Chlorobenzene	3	13	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	08-054-03
Client ID:	**KM-7-0809-W**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	13		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 08-054-03
Client ID: KM-7-0809-W

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	0.48		0.20
m,p-Xylene	1.0		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	0.26		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	80	71-126
Toluene-d8	85	76-116
4-Bromofluorobenzene	91	70-123

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

VOLATILES by EPA 8260B
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Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	08-054-12
Client ID:	**KM-5-0809-W**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	4.2		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 08-054-12
Client ID: KM-5-0809-W

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	15		0.20
m,p-Xylene	57		0.40
o-Xylene	6.7		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	0.65		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	0.29		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	0.28		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	84	71-126
Toluene-d8	87	76-116
4-Bromofluorobenzene	94	70-123

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0810W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB0810W1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	81	71-126
Toluene-d8	87	76-116
4-Bromofluorobenzene	92	70-123

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB0810W1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	10.0	8.72	87	8.17	82	70-130	
Benzene	10.0	9.38	94	8.88	89	70-130	
Trichloroethene	10.0	9.65	97	9.29	93	70-123	
Toluene	10.0	9.88	99	9.75	98	77-120	
Chlorobenzene	10.0	10.6	106	10.6	106	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	7	21	
Benzene	5	18	
Trichloroethene	4	18	
Toluene	1	17	
Chlorobenzene	0	18	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-7-0809-2**					
Laboratory ID:	08-054-01					
N-Nitrosodimethylamine	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Pyridine	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Phenol	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Aniline	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethyl)ether	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2-Chlorophenol	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
1,3-Dichlorobenzene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
1,4-Dichlorobenzene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Benzyl alcohol	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
1,2-Dichlorobenzene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2-Methylphenol (o-Cresol)	**3.5**	0.49	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**4.1**	0.49	EPA 8270	8-14-09	8-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Hexachloroethane	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Nitrobenzene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Isophorone	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2-Nitrophenol	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2,4-Dimethylphenol	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2,4-Dichlorophenol	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
1,2,4-Trichlorobenzene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Naphthalene	**0.14**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
4-Chloroaniline	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Hexachlorobutadiene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
4-Chloro-3-methylphenol	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2-Methylnaphthalene	**0.023**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
1-Methylnaphthalene	**0.013**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
Hexachlorocyclopentadiene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2,4,6-Trichlorophenol	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2,3-Dichloroaniline	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2,4,5-Trichlorophenol	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2-Chloronaphthalene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2-Nitroaniline	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
1,4-Dinitrobenzene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Dimethylphthalate	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
1,3-Dinitrobenzene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2,6-Dinitrotoluene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
1,2-Dinitrobenzene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Acenaphthylene	**ND**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
3-Nitroaniline	**ND**	0.49	EPA 8270	8-14-09	8-23-09	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-7-0809-2**					
Laboratory ID:	08-054-01					
2,4-Dinitrophenol	**ND**	2.5	EPA 8270	8-14-09	8-23-09	
Acenaphthene	**ND**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
4-Nitrophenol	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2,4-Dinitrotoluene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Dibenzofuran	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Diethylphthalate	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
4-Chlorophenyl-phenylether	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
4-Nitroaniline	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Fluorene	**ND**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
4,6-Dinitro-2-methylphenol	**ND**	2.5	EPA 8270	8-14-09	8-23-09	
N-Nitrosodiphenylamine	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
1,2-Diphenylhydrazine	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
4-Bromophenyl-phenylether	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Hexachlorobenzene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Pentachlorophenol	**ND**	2.5	EPA 8270	8-14-09	8-23-09	
Phenanthrene	**0.017**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
Anthracene	**ND**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
Carbazole	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Di-n-butylphthalate	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Fluoranthene	**0.025**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
Benzidine	**ND**	4.9	EPA 8270	8-14-09	8-23-09	
Pyrene	**0.024**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
Butylbenzylphthalate	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
bis-2-Ethylhexyladipate	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
3,3'-Dichlorobenzidine	**ND**	4.9	EPA 8270	8-14-09	8-23-09	
Benzo[a]anthracene	**ND**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
Chrysene	**ND**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Di-n-octylphthalate	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Benzo[b]fluoranthene	**ND**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[k]fluoranthene	**ND**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[a]pyrene	**ND**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
Dibenz[a,h]anthracene	**ND**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[g,h,i]perylene	**ND**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*45*	*19 - 97*				
Phenol-d6	*58*	*22 - 108*				
Nitrobenzene-d5	*55*	*21 - 106*				
2-Fluorobiphenyl	*58*	*29 - 107*				
2,4,6-Tribromophenol	*54*	*44 - 121*				
Terphenyl-d14	*63*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-7-0809-7**					
Laboratory ID:	08-054-02					
N-Nitrosodimethylamine	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Pyridine	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Phenol	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Aniline	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethyl)ether	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2-Chlorophenol	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
1,3-Dichlorobenzene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
1,4-Dichlorobenzene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Benzyl alcohol	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
1,2-Dichlorobenzene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Hexachloroethane	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Nitrobenzene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Isophorone	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2-Nitrophenol	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2,4-Dimethylphenol	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2,4-Dichlorophenol	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
1,2,4-Trichlorobenzene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Naphthalene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
4-Chloroaniline	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Hexachlorobutadiene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
4-Chloro-3-methylphenol	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2-Methylnaphthalene	**0.032**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
1-Methylnaphthalene	**0.020**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
Hexachlorocyclopentadiene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2,4,6-Trichlorophenol	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2,3-Dichloroaniline	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2,4,5-Trichlorophenol	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2-Chloronaphthalene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2-Nitroaniline	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
1,4-Dinitrobenzene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Dimethylphthalate	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
1,3-Dinitrobenzene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2,6-Dinitrotoluene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
1,2-Dinitrobenzene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Acenaphthylene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
3-Nitroaniline	**ND**	0.19	EPA 8270	8-14-09	8-23-09	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-7-0809-7**					
Laboratory ID:	08-054-02					
2,4-Dinitrophenol	**ND**	0.96	EPA 8270	8-14-09	8-23-09	
Acenaphthene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
4-Nitrophenol	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2,4-Dinitrotoluene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Dibenzofuran	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Diethylphthalate	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
4-Chlorophenyl-phenylether	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
4-Nitroaniline	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Fluorene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
4,6-Dinitro-2-methylphenol	**ND**	0.96	EPA 8270	8-14-09	8-23-09	
N-Nitrosodiphenylamine	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
1,2-Diphenylhydrazine	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
4-Bromophenyl-phenylether	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Hexachlorobenzene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Pentachlorophenol	**ND**	0.96	EPA 8270	8-14-09	8-23-09	
Phenanthrene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
Anthracene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
Carbazole	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Di-n-butylphthalate	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Fluoranthene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
Benzidine	**ND**	1.9	EPA 8270	8-14-09	8-23-09	
Pyrene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
Butylbenzylphthalate	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
bis-2-Ethylhexyladipate	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
3,3'-Dichlorobenzidine	**ND**	1.9	EPA 8270	8-14-09	8-23-09	
Benzo[a]anthracene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
Chrysene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Di-n-octylphthalate	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Benzo[b]fluoranthene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[k]fluoranthene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[a]pyrene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
Dibenz[a,h]anthracene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[g,h,i]perylene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*60*	*19 - 97*				
Phenol-d6	*77*	*22 - 108*				
Nitrobenzene-d5	*94*	*21 - 106*				
2-Fluorobiphenyl	*76*	*29 - 107*				
2,4,6-Tribromophenol	*72*	*44 - 121*				
Terphenyl-d14	*84*	*37 - 120*				

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-8-0809-2**					
Laboratory ID:	08-054-04					
N-Nitrosodimethylamine	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Pyridine	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Phenol	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Aniline	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethyl)ether	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2-Chlorophenol	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
1,3-Dichlorobenzene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
1,4-Dichlorobenzene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Benzyl alcohol	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
1,2-Dichlorobenzene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Hexachloroethane	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Nitrobenzene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Isophorone	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2-Nitrophenol	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2,4-Dimethylphenol	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2,4-Dichlorophenol	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
1,2,4-Trichlorobenzene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Naphthalene	**0.13**	0.0087	EPA 8270/SIM	8-14-09	8-17-09	
4-Chloroaniline	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Hexachlorobutadiene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
4-Chloro-3-methylphenol	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2-Methylnaphthalene	**0.030**	0.0087	EPA 8270/SIM	8-14-09	8-17-09	
1-Methylnaphthalene	**0.019**	0.0087	EPA 8270/SIM	8-14-09	8-17-09	
Hexachlorocyclopentadiene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2,4,6-Trichlorophenol	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2,3-Dichloroaniline	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2,4,5-Trichlorophenol	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2-Chloronaphthalene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2-Nitroaniline	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
1,4-Dinitrobenzene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Dimethylphthalate	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
1,3-Dinitrobenzene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2,6-Dinitrotoluene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
1,2-Dinitrobenzene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Acenaphthylene	**0.032**	0.0087	EPA 8270/SIM	8-14-09	8-17-09	
3-Nitroaniline	**ND**	0.43	EPA 8270	8-14-09	8-23-09	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-8-0809-2**					
Laboratory ID:	08-054-04					
2,4-Dinitrophenol	**ND**	2.2	EPA 8270	8-14-09	8-23-09	
Acenaphthene	**0.013**	0.0087	EPA 8270/SIM	8-14-09	8-17-09	
4-Nitrophenol	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2,4-Dinitrotoluene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Dibenzofuran	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Diethylphthalate	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
4-Chlorophenyl-phenylether	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
4-Nitroaniline	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Fluorene	**0.034**	0.0087	EPA 8270/SIM	8-14-09	8-17-09	
4,6-Dinitro-2-methylphenol	**ND**	2.2	EPA 8270	8-14-09	8-23-09	
N-Nitrosodiphenylamine	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
1,2-Diphenylhydrazine	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
4-Bromophenyl-phenylether	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Hexachlorobenzene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Pentachlorophenol	**ND**	2.2	EPA 8270	8-14-09	8-23-09	
Phenanthrene	**0.45**	0.43	EPA 8270	8-14-09	8-23-09	
Anthracene	**0.13**	0.0087	EPA 8270/SIM	8-14-09	8-17-09	
Carbazole	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Di-n-butylphthalate	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Fluoranthene	**1.1**	0.43	EPA 8270	8-14-09	8-23-09	
Benzidine	**ND**	4.3	EPA 8270	8-14-09	8-23-09	
Pyrene	**1.2**	0.43	EPA 8270	8-14-09	8-23-09	
Butylbenzylphthalate	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
bis-2-Ethylhexyladipate	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
3,3'-Dichlorobenzidine	**ND**	4.3	EPA 8270	8-14-09	8-23-09	
Benzo[a]anthracene	**0.46**	0.43	EPA 8270	8-14-09	8-23-09	
Chrysene	**0.64**	0.43	EPA 8270	8-14-09	8-23-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Di-n-octylphthalate	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Benzo[b]fluoranthene	**0.49**	0.43	EPA 8270	8-14-09	8-23-09	
Benzo[k]fluoranthene	**0.50**	0.43	EPA 8270	8-14-09	8-23-09	
Benzo[a]pyrene	**0.81**	0.43	EPA 8270	8-14-09	8-23-09	
Indeno[1,2,3-cd]pyrene	**0.51**	0.43	EPA 8270	8-14-09	8-23-09	
Dibenz[a,h]anthracene	**0.10**	0.0087	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[g,h,i]perylene	**0.72**	0.43	EPA 8270	8-14-09	8-23-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*40*	*19 - 97*				
Phenol-d6	*51*	*22 - 108*				
Nitrobenzene-d5	*47*	*21 - 106*				
2-Fluorobiphenyl	*58*	*29 - 107*				
2,4,6-Tribromophenol	*51*	*44 - 121*				
Terphenyl-d14	*67*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-8-0809-7**					
Laboratory ID:	08-054-05					
N-Nitrosodimethylamine	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Pyridine	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Phenol	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Aniline	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethyl)ether	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2-Chlorophenol	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
1,3-Dichlorobenzene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
1,4-Dichlorobenzene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Benzyl alcohol	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
1,2-Dichlorobenzene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Hexachloroethane	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Nitrobenzene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Isophorone	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2-Nitrophenol	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2,4-Dimethylphenol	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2,4-Dichlorophenol	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
1,2,4-Trichlorobenzene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Naphthalene	**0.69**	0.36	EPA 8270	8-14-09	8-23-09	
4-Chloroaniline	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Hexachlorobutadiene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
4-Chloro-3-methylphenol	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2-Methylnaphthalene	**0.21**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
1-Methylnaphthalene	**0.12**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Hexachlorocyclopentadiene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2,4,6-Trichlorophenol	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2,3-Dichloroaniline	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2,4,5-Trichlorophenol	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2-Chloronaphthalene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2-Nitroaniline	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
1,4-Dinitrobenzene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Dimethylphthalate	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
1,3-Dinitrobenzene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2,6-Dinitrotoluene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
1,2-Dinitrobenzene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Acenaphthylene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
3-Nitroaniline	**ND**	0.36	EPA 8270	8-14-09	8-23-09	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-8-0809-7**					
Laboratory ID:	08-054-05					
2,4-Dinitrophenol	**ND**	1.8	EPA 8270	8-14-09	8-23-09	
Acenaphthene	**0.011**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
4-Nitrophenol	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2,4-Dinitrotoluene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Dibenzofuran	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Diethylphthalate	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
4-Chlorophenyl-phenylether	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
4-Nitroaniline	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Fluorene	**0.010**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
4,6-Dinitro-2-methylphenol	**ND**	1.8	EPA 8270	8-14-09	8-23-09	
N-Nitrosodiphenylamine	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
1,2-Diphenylhydrazine	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
4-Bromophenyl-phenylether	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Hexachlorobenzene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Pentachlorophenol	**ND**	1.8	EPA 8270	8-14-09	8-23-09	
Phenanthrene	**0.034**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Anthracene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Carbazole	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Di-n-butylphthalate	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Fluoranthene	**0.040**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Benzidine	**ND**	3.6	EPA 8270	8-14-09	8-23-09	
Pyrene	**0.054**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Butylbenzylphthalate	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
bis-2-Ethylhexyladipate	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
3,3'-Dichlorobenzidine	**ND**	3.6	EPA 8270	8-14-09	8-23-09	
Benzo[a]anthracene	**0.012**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Chrysene	**0.013**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Di-n-octylphthalate	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Benzo[b]fluoranthene	**0.017**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[k]fluoranthene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[a]pyrene	**0.014**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Indeno[1,2,3-cd]pyrene	**0.0082**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Dibenz[a,h]anthracene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[g,h,i]perylene	**0.011**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*67*	*19 - 97*				
Phenol-d6	*115*	*22 - 108*				Q
Nitrobenzene-d5	*91*	*21 - 106*				
2-Fluorobiphenyl	*84*	*29 - 107*				
2,4,6-Tribromophenol	*75*	*44 - 121*				
Terphenyl-d14	*90*	*37 - 120*				

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-12-0809-2**					
Laboratory ID:	08-054-07					
N-Nitrosodimethylamine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Pyridine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Phenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Aniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethyl)ether	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Chlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,3-Dichlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,4-Dichlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Benzyl alcohol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,2-Dichlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Hexachloroethane	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Nitrobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Isophorone	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Nitrophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4-Dimethylphenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4-Dichlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,2,4-Trichlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Naphthalene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
4-Chloroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Hexachlorobutadiene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
4-Chloro-3-methylphenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Methylnaphthalene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
1-Methylnaphthalene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Hexachlorocyclopentadiene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4,6-Trichlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,3-Dichloroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4,5-Trichlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Chloronaphthalene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Nitroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,4-Dinitrobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Dimethylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,6-Dinitrotoluene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,2-Dinitrobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Acenaphthylene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
3-Nitroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-12-0809-2**					
Laboratory ID:	08-054-07					
2,4-Dinitrophenol	**ND**	0.88	EPA 8270	8-14-09	8-23-09	
Acenaphthene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
4-Nitrophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4-Dinitrotoluene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Dibenzofuran	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Diethylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
4-Chlorophenyl-phenylether	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
4-Nitroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Fluorene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
4,6-Dinitro-2-methylphenol	**ND**	0.88	EPA 8270	8-14-09	8-23-09	
N-Nitrosodiphenylamine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,2-Diphenylhydrazine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
4-Bromophenyl-phenylether	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Hexachlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Pentachlorophenol	**ND**	0.88	EPA 8270	8-14-09	8-23-09	
Phenanthrene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Anthracene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Carbazole	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Di-n-butylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Fluoranthene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Benzidine	**ND**	1.8	EPA 8270	8-14-09	8-23-09	
Pyrene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Butylbenzylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
bis-2-Ethylhexyladipate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
3,3'-Dichlorobenzidine	**ND**	1.8	EPA 8270	8-14-09	8-23-09	
Benzo[a]anthracene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Chrysene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Di-n-octylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Benzo[b]fluoranthene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[k]fluoranthene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[a]pyrene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Dibenz[a,h]anthracene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[g,h,i]perylene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*61*	*19 - 97*				
Phenol-d6	*61*	*22 - 108*				
Nitrobenzene-d5	*64*	*21 - 106*				
2-Fluorobiphenyl	*63*	*29 - 107*				
2,4,6-Tribromophenol	*65*	*44 - 121*				
Terphenyl-d14	*77*	*37 - 120*				

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-5-0809-2.5**					
Laboratory ID:	08-054-10					
N-Nitrosodimethylamine	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Pyridine	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Phenol	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Aniline	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethyl)ether	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2-Chlorophenol	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
1,3-Dichlorobenzene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
1,4-Dichlorobenzene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Benzyl alcohol	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
1,2-Dichlorobenzene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Hexachloroethane	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Nitrobenzene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Isophorone	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2-Nitrophenol	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2,4-Dimethylphenol	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2,4-Dichlorophenol	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
1,2,4-Trichlorobenzene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Naphthalene	**0.015**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
4-Chloroaniline	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Hexachlorobutadiene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
4-Chloro-3-methylphenol	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2-Methylnaphthalene	**0.0089**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
1-Methylnaphthalene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
Hexachlorocyclopentadiene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2,4,6-Trichlorophenol	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2,3-Dichloroaniline	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2,4,5-Trichlorophenol	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2-Chloronaphthalene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2-Nitroaniline	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
1,4-Dinitrobenzene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Dimethylphthalate	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
1,3-Dinitrobenzene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2,6-Dinitrotoluene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
1,2-Dinitrobenzene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Acenaphthylene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
3-Nitroaniline	**ND**	0.21	EPA 8270	8-14-09	8-23-09	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-5-0809-2.5**					
Laboratory ID:	08-054-10					
2,4-Dinitrophenol	**ND**	1.1	EPA 8270	8-14-09	8-23-09	
Acenaphthene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
4-Nitrophenol	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2,4-Dinitrotoluene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Dibenzofuran	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Diethylphthalate	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
4-Chlorophenyl-phenylether	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
4-Nitroaniline	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Fluorene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
4,6-Dinitro-2-methylphenol	**ND**	1.1	EPA 8270	8-14-09	8-23-09	
N-Nitrosodiphenylamine	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
1,2-Diphenylhydrazine	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
4-Bromophenyl-phenylether	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Hexachlorobenzene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Pentachlorophenol	**ND**	1.1	EPA 8270	8-14-09	8-23-09	
Phenanthrene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
Anthracene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
Carbazole	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Di-n-butylphthalate	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Fluoranthene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
Benzidine	**ND**	2.1	EPA 8270	8-14-09	8-23-09	
Pyrene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
Butylbenzylphthalate	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
bis-2-Ethylhexyladipate	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
3,3'-Dichlorobenzidine	**ND**	2.1	EPA 8270	8-14-09	8-23-09	
Benzo[a]anthracene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
Chrysene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Di-n-octylphthalate	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Benzo[b]fluoranthene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[k]fluoranthene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[a]pyrene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
Dibenz[a,h]anthracene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[g,h,i]perylene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*58*	*19 - 97*				
Phenol-d6	*62*	*22 - 108*				
Nitrobenzene-d5	*59*	*21 - 106*				
2-Fluorobiphenyl	*61*	*29 - 107*				
2,4,6-Tribromophenol	*59*	*44 - 121*				
Terphenyl-d14	*71*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-5-0809-6.5**					
Laboratory ID:	08-054-11					
N-Nitrosodimethylamine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Pyridine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Phenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Aniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethyl)ether	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Chlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,3-Dichlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,4-Dichlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Benzyl alcohol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,2-Dichlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Hexachloroethane	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Nitrobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Isophorone	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Nitrophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4-Dimethylphenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4-Dichlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,2,4-Trichlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Naphthalene	**0.052**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
4-Chloroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Hexachlorobutadiene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
4-Chloro-3-methylphenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Methylnaphthalene	**0.062**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
1-Methylnaphthalene	**0.037**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Hexachlorocyclopentadiene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4,6-Trichlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,3-Dichloroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4,5-Trichlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Chloronaphthalene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Nitroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,4-Dinitrobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Dimethylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,6-Dinitrotoluene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,2-Dinitrobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Acenaphthylene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
3-Nitroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-5-0809-6.5**					
Laboratory ID:	08-054-11					
2,4-Dinitrophenol	**ND**	0.88	EPA 8270	8-14-09	8-23-09	
Acenaphthene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
4-Nitrophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4-Dinitrotoluene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Dibenzofuran	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Diethylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
4-Chlorophenyl-phenylether	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
4-Nitroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Fluorene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
4,6-Dinitro-2-methylphenol	**ND**	0.88	EPA 8270	8-14-09	8-23-09	
N-Nitrosodiphenylamine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,2-Diphenylhydrazine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
4-Bromophenyl-phenylether	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Hexachlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Pentachlorophenol	**ND**	0.88	EPA 8270	8-14-09	8-23-09	
Phenanthrene	**0.015**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Anthracene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Carbazole	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Di-n-butylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Fluoranthene	**0.010**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Benzidine	**ND**	1.8	EPA 8270	8-14-09	8-23-09	
Pyrene	**0.012**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Butylbenzylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
bis-2-Ethylhexyladipate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
3,3'-Dichlorobenzidine	**ND**	1.8	EPA 8270	8-14-09	8-23-09	
Benzo[a]anthracene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Chrysene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Di-n-octylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Benzo[b]fluoranthene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[k]fluoranthene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[a]pyrene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Dibenz[a,h]anthracene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[g,h,i]perylene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*69*	*19 - 97*				
Phenol-d6	*79*	*22 - 108*				
Nitrobenzene-d5	*91*	*21 - 106*				
2-Fluorobiphenyl	*75*	*29 - 107*				
2,4,6-Tribromophenol	*67*	*44 - 121*				
Terphenyl-d14	*79*	*37 - 120*				

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-6-0809-2**					
Laboratory ID:	08-054-13					
N-Nitrosodimethylamine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Pyridine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Phenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Aniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethyl)ether	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Chlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,3-Dichlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,4-Dichlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Benzyl alcohol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,2-Dichlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Hexachloroethane	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Nitrobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Isophorone	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Nitrophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4-Dimethylphenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4-Dichlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,2,4-Trichlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Naphthalene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
4-Chloroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Hexachlorobutadiene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
4-Chloro-3-methylphenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Methylnaphthalene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
1-Methylnaphthalene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Hexachlorocyclopentadiene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4,6-Trichlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,3-Dichloroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4,5-Trichlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Chloronaphthalene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Nitroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,4-Dinitrobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Dimethylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,6-Dinitrotoluene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,2-Dinitrobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Acenaphthylene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
3-Nitroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-6-0809-2**					
Laboratory ID:	08-054-13					
2,4-Dinitrophenol	**ND**	0.90	EPA 8270	8-14-09	8-23-09	
Acenaphthene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
4-Nitrophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4-Dinitrotoluene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Dibenzofuran	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Diethylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
4-Chlorophenyl-phenylether	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
4-Nitroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Fluorene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
4,6-Dinitro-2-methylphenol	**ND**	0.90	EPA 8270	8-14-09	8-23-09	
N-Nitrosodiphenylamine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,2-Diphenylhydrazine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
4-Bromophenyl-phenylether	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Hexachlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Pentachlorophenol	**ND**	0.90	EPA 8270	8-14-09	8-23-09	
Phenanthrene	**0.014**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Anthracene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Carbazole	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Di-n-butylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Fluoranthene	**0.011**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Benzidine	**ND**	1.8	EPA 8270	8-14-09	8-23-09	
Pyrene	**0.012**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Butylbenzylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
bis-2-Ethylhexyladipate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
3,3'-Dichlorobenzidine	**ND**	1.8	EPA 8270	8-14-09	8-23-09	
Benzo[a]anthracene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Chrysene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Di-n-octylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Benzo[b]fluoranthene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[k]fluoranthene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[a]pyrene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Dibenz[a,h]anthracene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[g,h,i]perylene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*54*	*19 - 97*				
Phenol-d6	*58*	*22 - 108*				
Nitrobenzene-d5	*58*	*21 - 106*				
2-Fluorobiphenyl	*61*	*29 - 107*				
2,4,6-Tribromophenol	*55*	*44 - 121*				
Terphenyl-d14	*65*	*37 - 120*				

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SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-6-0809-4**					
Laboratory ID:	08-054-14					
N-Nitrosodimethylamine	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Pyridine	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Phenol	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Aniline	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
bis(2-Chloroethyl)ether	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2-Chlorophenol	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
1,3-Dichlorobenzene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
1,4-Dichlorobenzene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Benzyl alcohol	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
1,2-Dichlorobenzene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Hexachloroethane	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Nitrobenzene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Isophorone	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2-Nitrophenol	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2,4-Dimethylphenol	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2,4-Dichlorophenol	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
1,2,4-Trichlorobenzene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Naphthalene	**0.023**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
4-Chloroaniline	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Hexachlorobutadiene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
4-Chloro-3-methylphenol	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2-Methylnaphthalene	**0.015**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
1-Methylnaphthalene	**0.011**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
Hexachlorocyclopentadiene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2,4,6-Trichlorophenol	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2,3-Dichloroaniline	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2,4,5-Trichlorophenol	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2-Chloronaphthalene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2-Nitroaniline	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
1,4-Dinitrobenzene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Dimethylphthalate	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2,6-Dinitrotoluene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
1,2-Dinitrobenzene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Acenaphthylene	**ND**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
3-Nitroaniline	**ND**	0.18	EPA 8270	8-17-09	8-23-09	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-6-0809-4**					
Laboratory ID:	08-054-14					
2,4-Dinitrophenol	**ND**	0.89	EPA 8270	8-17-09	8-23-09	
Acenaphthene	**ND**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
4-Nitrophenol	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2,4-Dinitrotoluene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Dibenzofuran	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Diethylphthalate	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
4-Chlorophenyl-phenylether	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
4-Nitroaniline	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Fluorene	**ND**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
4,6-Dinitro-2-methylphenol	**ND**	0.89	EPA 8270	8-17-09	8-23-09	
N-Nitrosodiphenylamine	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
1,2-Diphenylhydrazine	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
4-Bromophenyl-phenylether	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Hexachlorobenzene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Pentachlorophenol	**ND**	0.89	EPA 8270	8-17-09	8-23-09	
Phenanthrene	**0.014**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
Anthracene	**ND**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
Carbazole	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Di-n-butylphthalate	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Fluoranthene	**0.012**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
Benzidine	**ND**	1.8	EPA 8270	8-17-09	8-23-09	
Pyrene	**0.013**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
Butylbenzylphthalate	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
bis-2-Ethylhexyladipate	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
3,3'-Dichlorobenzidine	**ND**	1.8	EPA 8270	8-17-09	8-23-09	
Benzo[a]anthracene	**ND**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
Chrysene	**ND**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Di-n-octylphthalate	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Benzo[b]fluoranthene	**ND**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
Benzo[k]fluoranthene	**ND**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
Benzo[a]pyrene	**ND**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
Dibenz[a,h]anthracene	**ND**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
Benzo[g,h,i]perylene	**ND**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*49*	*19 - 97*				
Phenol-d6	*56*	*22 - 108*				
Nitrobenzene-d5	*57*	*21 - 106*				
2-Fluorobiphenyl	*55*	*29 - 107*				
2,4,6-Tribromophenol	*57*	*44 - 121*				
Terphenyl-d14	*69*	*37 - 120*				

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0814S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Pyridine	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Phenol	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Aniline	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Hexachloroethane	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Nitrobenzene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Isophorone	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	8-14-09	8-14-09	

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Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0814S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	8-14-09	8-14-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Dibenzofuran	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Diethylphthalate	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	8-14-09	8-14-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	8-14-09	8-14-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
Carbazole	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
Benzidine	**ND**	0.33	EPA 8270	8-14-09	8-14-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	8-14-09	8-14-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*64*	*19 - 97*				
Phenol-d6	*74*	*22 - 108*				
Nitrobenzene-d5	*74*	*21 - 106*				
2-Fluorobiphenyl	*66*	*29 - 107*				
2,4,6-Tribromophenol	*68*	*44 - 121*				
Terphenyl-d14	*83*	*37 - 120*				

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SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0817S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Pyridine	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Phenol	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Aniline	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Hexachloroethane	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Nitrobenzene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Isophorone	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	8-17-09	8-17-09	

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Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0817S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	8-17-09	8-17-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Dibenzofuran	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Diethylphthalate	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	8-17-09	8-17-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	8-17-09	8-17-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
Carbazole	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
Benzidine	**ND**	0.33	EPA 8270	8-17-09	8-17-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	8-17-09	8-17-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*39*	*19 - 97*				
Phenol-d6	*43*	*22 - 108*				
Nitrobenzene-d5	*50*	*21 - 106*				
2-Fluorobiphenyl	*39*	*29 - 107*				
2,4,6-Tribromophenol	*37*	*44 - 121*				Q
Terphenyl-d14	*41*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
Laboratory ID:	SB0814S1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**1.10**	**1.06**	1.33	1.33	83	80	27 - 100	4	37	
2-Chlorophenol	**0.933**	**0.886**	1.33	1.33	70	67	23 - 104	5	43	
1,4-Dichlorobenzene	**0.404**	**0.386**	0.667	0.667	61	58	23 - 86	5	40	
N-Nitroso-di-n-propylamine	**0.524**	**0.534**	0.667	0.667	79	80	28 - 96	2	37	
1,2,4-Trichlorobenzene	**0.396**	**0.372**	0.667	0.667	59	56	25 - 90	6	40	
4-Chloro-3-methylphenol	**1.12**	**1.13**	1.33	1.33	84	85	44 - 106	1	31	
Acenaphthene	**0.502**	**0.504**	0.667	0.667	75	76	39 - 93	0	28	
4-Nitrophenol	**1.25**	**1.22**	1.33	1.33	94	92	30 - 124	2	31	
2,4-Dinitrotoluene	**0.587**	**0.593**	0.667	0.667	88	89	53 - 109	1	34	
Pentachlorophenol	**1.02**	**1.01**	1.33	1.33	77	76	47 - 122	1	33	
Pyrene	**0.581**	**0.575**	0.667	0.667	87	86	55 - 108	1	29	
Surrogate:										
2-Fluorophenol					*67*	*65*	*19 - 97*			
Phenol-d6					*75*	*72*	*22 - 108*			
Nitrobenzene-d5					*76*	*72*	*21 - 106*			
2-Fluorobiphenyl					*69*	*69*	*29 - 107*			
2,4,6-Tribromophenol					*71*	*71*	*44 - 121*			
Terphenyl-d14					*83*	*82*	*37 - 120*			
Laboratory ID:	SB0817S1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**1.29**	**1.29**	1.33	1.33	97	97	27 - 100	0	37	
2-Chlorophenol	**1.15**	**1.13**	1.33	1.33	86	85	23 - 104	2	43	
1,4-Dichlorobenzene	**0.513**	**0.516**	0.667	0.667	77	77	23 - 86	1	40	
N-Nitroso-di-n-propylamine	**0.644**	**0.642**	0.667	0.667	96	96	28 - 96	0	37	
1,2,4-Trichlorobenzene	**0.462**	**0.472**	0.667	0.667	69	71	25 - 90	2	40	
4-Chloro-3-methylphenol	**1.22**	**1.14**	1.33	1.33	92	86	44 - 106	7	31	
Acenaphthene	**0.565**	**0.530**	0.667	0.667	85	79	39 - 93	6	28	
4-Nitrophenol	**1.31**	**1.31**	1.33	1.33	98	98	30 - 124	0	31	
2,4-Dinitrotoluene	**0.627**	**0.598**	0.667	0.667	94	90	53 - 109	5	34	
Pentachlorophenol	**0.963**	**0.955**	1.33	1.33	72	72	47 - 122	1	33	
Pyrene	**0.566**	**0.546**	0.667	0.667	85	82	55 - 108	4	29	
Surrogate:										
2-Fluorophenol					*83*	*81*	*19 - 97*			
Phenol-d6					*89*	*88*	*22 - 108*			
Nitrobenzene-d5					*97*	*98*	*21 - 106*			
2-Fluorobiphenyl					*79*	*75*	*29 - 107*			
2,4,6-Tribromophenol					*72*	*68*	*44 - 121*			

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Terphenyl-d14	*81*	*77*	*37 - 120*

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-7-0809-W**					
Laboratory ID:	08-054-03					
N-Nitrosodimethylamine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Pyridine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Phenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Aniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Chlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Benzyl alcohol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
N-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Hexachloroethane	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Nitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Isophorone	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Naphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Chloroaniline	**ND**	10	EPA 8270	8-11-09	8-13-09	
Hexachlorobutadiene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Chloronaphthalene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Dimethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
3-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-7-0809-W**					
Laboratory ID:	08-054-03					
2,4-Dinitrophenol	**ND**	10	EPA 8270	8-11-09	8-13-09	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Dibenzofuran	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Diethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Fluorene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4,6-Dinitro-2-methylphenol	**ND**	5.1	EPA 8270	8-11-09	8-13-09	
N-Nitrosodiphenylamine	**ND**	10	EPA 8270	8-11-09	8-13-09	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Hexachlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Pentachlorophenol	**ND**	5.1	EPA 8270	8-11-09	8-13-09	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Anthracene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Carbazole	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Di-n-butylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Benzidine	**ND**	10	EPA 8270	8-11-09	8-13-09	
Pyrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Butylbenzylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis-2-Ethylhexyladipate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
3,3'-Dichlorobenzidine	**ND**	10	EPA 8270	8-11-09	8-13-09	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Chrysene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
bis(2-Ethylhexyl)phthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Di-n-octylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*37*	*12 - 91*				
Phenol-d6	*30*	*10 - 102*				
Nitrobenzene-d5	*57*	*27 - 115*				
2-Fluorobiphenyl	*60*	*37 - 111*				
2,4,6-Tribromophenol	*78*	*48 - 121*				
Terphenyl-d14	*80*	*47 - 116*				

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-5-0809-W**					
Laboratory ID:	08-054-12					
N-Nitrosodimethylamine	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Pyridine	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Phenol	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Aniline	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroethyl)ether	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2-Chlorophenol	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
1,3-Dichlorobenzene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
1,4-Dichlorobenzene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Benzyl alcohol	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
1,2-Dichlorobenzene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2-Methylphenol (o-Cresol)	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroisopropyl)ether	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
N-Nitroso-di-n-propylamine	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Hexachloroethane	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Nitrobenzene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Isophorone	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2-Nitrophenol	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2,4-Dimethylphenol	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroethoxy)methane	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2,4-Dichlorophenol	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
1,2,4-Trichlorobenzene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Naphthalene	**ND**	0.099	EPA 8270/SIM	8-11-09	8-12-09	
4-Chloroaniline	**ND**	9.9	EPA 8270	8-11-09	8-13-09	
Hexachlorobutadiene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
4-Chloro-3-methylphenol	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2-Methylnaphthalene	**ND**	0.099	EPA 8270/SIM	8-11-09	8-12-09	
1-Methylnaphthalene	**ND**	0.099	EPA 8270/SIM	8-11-09	8-12-09	
Hexachlorocyclopentadiene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2,4,6-Trichlorophenol	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2,3-Dichloroaniline	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2,4,5-Trichlorophenol	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2-Chloronaphthalene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2-Nitroaniline	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
1,4-Dinitrobenzene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Dimethylphthalate	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
1,3-Dinitrobenzene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2,6-Dinitrotoluene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
1,2-Dinitrobenzene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Acenaphthylene	**ND**	0.099	EPA 8270/SIM	8-11-09	8-12-09	
3-Nitroaniline	**ND**	0.99	EPA 8270	8-11-09	8-13-09	

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SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-5-0809-W**					
Laboratory ID:	08-054-12					
2,4-Dinitrophenol	**ND**	9.9	EPA 8270	8-11-09	8-13-09	
Acenaphthene	**ND**	0.099	EPA 8270/SIM	8-11-09	8-12-09	
4-Nitrophenol	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2,4-Dinitrotoluene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Dibenzofuran	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Diethylphthalate	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
4-Chlorophenyl-phenylether	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
4-Nitroaniline	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Fluorene	**ND**	0.099	EPA 8270/SIM	8-11-09	8-12-09	
4,6-Dinitro-2-methylphenol	**ND**	5.0	EPA 8270	8-11-09	8-13-09	
N-Nitrosodiphenylamine	**ND**	9.9	EPA 8270	8-11-09	8-13-09	
1,2-Diphenylhydrazine	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
4-Bromophenyl-phenylether	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Hexachlorobenzene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Pentachlorophenol	**ND**	5.0	EPA 8270	8-11-09	8-13-09	
Phenanthrene	**ND**	0.099	EPA 8270/SIM	8-11-09	8-12-09	
Anthracene	**ND**	0.099	EPA 8270/SIM	8-11-09	8-12-09	
Carbazole	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Di-n-butylphthalate	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Fluoranthene	**ND**	0.099	EPA 8270/SIM	8-11-09	8-12-09	
Benzidine	**ND**	9.9	EPA 8270	8-11-09	8-13-09	
Pyrene	**ND**	0.099	EPA 8270/SIM	8-11-09	8-12-09	
Butylbenzylphthalate	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
bis-2-Ethylhexyladipate	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
3,3'-Dichlorobenzidine	**ND**	9.9	EPA 8270	8-11-09	8-13-09	
Benzo[a]anthracene	**ND**	0.0099	EPA 8270/SIM	8-11-09	8-12-09	
Chrysene	**ND**	0.0099	EPA 8270/SIM	8-11-09	8-12-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Di-n-octylphthalate	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Benzo[b]fluoranthene	**ND**	0.0099	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[k]fluoranthene	**ND**	0.0099	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[a]pyrene	**ND**	0.0099	EPA 8270/SIM	8-11-09	8-12-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0099	EPA 8270/SIM	8-11-09	8-12-09	
Dibenz[a,h]anthracene	**ND**	0.0099	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[g,h,i]perylene	**ND**	0.0099	EPA 8270/SIM	8-11-09	8-12-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*39*	*12 - 91*				
Phenol-d6	*34*	*10 - 102*				
Nitrobenzene-d5	*66*	*27 - 115*				
2-Fluorobiphenyl	*69*	*37 - 111*				
2,4,6-Tribromophenol	*81*	*48 - 121*				
Terphenyl-d14	*82*	*47 - 116*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0811W1					
N-Nitrosodimethylamine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Pyridine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Phenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Aniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Chlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Benzyl alcohol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
N-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Hexachloroethane	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Nitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Isophorone	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Naphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Chloroaniline	**ND**	10	EPA 8270	8-11-09	8-12-09	
Hexachlorobutadiene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Chloronaphthalene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Dimethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
3-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0811W1					
2,4-Dinitrophenol	**ND**	10	EPA 8270	8-11-09	8-12-09	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Dibenzofuran	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Diethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Fluorene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4,6-Dinitro-2-methylphenol	**ND**	5.0	EPA 8270	8-11-09	8-12-09	
N-Nitrosodiphenylamine	**ND**	10	EPA 8270	8-11-09	8-12-09	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Hexachlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Pentachlorophenol	**ND**	5.0	EPA 8270	8-11-09	8-12-09	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Anthracene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Carbazole	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Di-n-butylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Benzidine	**ND**	10	EPA 8270	8-11-09	8-12-09	
Pyrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Butylbenzylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis-2-Ethylhexyladipate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
3,3'-Dichlorobenzidine	**ND**	10	EPA 8270	8-11-09	8-12-09	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Chrysene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
bis(2-Ethylhexyl)phthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Di-n-octylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*32*	*12 - 91*				
Phenol-d6	*29*	*10 - 102*				
Nitrobenzene-d5	*77*	*27 - 115*				
2-Fluorobiphenyl	*69*	*37 - 111*				
2,4,6-Tribromophenol	*56*	*48 - 121*				
Terphenyl-d14	*83*	*47 - 116*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0811W1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**15.5**	**14.0**	40.0	40.0	39	35	17 - 69	10	34	
2-Chlorophenol	**27.7**	**24.2**	40.0	40.0	69	61	36 - 104	13	36	
1,4-Dichlorobenzene	**12.8**	**10.8**	20.0	20.0	64	54	29 - 90	17	34	
N-Nitroso-di-n-propylamine	**12.3**	**11.3**	20.0	20.0	62	57	34 - 101	8	38	
1,2,4-Trichlorobenzene	**13.2**	**11.9**	20.0	20.0	66	60	30 - 97	10	42	
4-Chloro-3-methylphenol	**30.0**	**29.8**	40.0	40.0	75	75	56 - 106	1	26	
Acenaphthene	**14.5**	**14.2**	20.0	20.0	73	71	46 - 94	2	34	
4-Nitrophenol	**21.1**	**22.8**	40.0	40.0	53	57	17 - 100	8	38	
2,4-Dinitrotoluene	**17.5**	**18.6**	20.0	20.0	88	93	50 - 121	6	18	
Pentachlorophenol	**36.5**	**38.2**	40.0	40.0	91	96	37 - 132	5	32	
Pyrene	**16.9**	**17.8**	20.0	20.0	85	89	65 - 108	5	18	
Surrogate:										
2-Fluorophenol					*47*	*40*	*12 - 91*			
Phenol-d6					*34*	*31*	*10 - 102*			
Nitrobenzene-d5					*69*	*63*	*27 - 115*			
2-Fluorobiphenyl					*68*	*65*	*37 - 111*			
2,4,6-Tribromophenol					*81*	*83*	*48 - 121*			
Terphenyl-d14					*82*	*85*	*47 - 116*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Lab Traveler: 0908-054
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-7-0809-2**					
Laboratory ID:	08-054-01					
Aroclor 1016	**ND**	0.074	EPA 8082	8-14-09	8-18-09	X
Aroclor 1221	**ND**	0.074	EPA 8082	8-14-09	8-18-09	X
Aroclor 1232	**ND**	0.074	EPA 8082	8-14-09	8-18-09	X
Aroclor 1242	**ND**	0.074	EPA 8082	8-14-09	8-18-09	X
Aroclor 1248	**ND**	0.074	EPA 8082	8-14-09	8-18-09	X
Aroclor 1254	**ND**	0.074	EPA 8082	8-14-09	8-18-09	X
Aroclor 1260	**ND**	0.074	EPA 8082	8-14-09	8-18-09	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*76*	*33-122*				
Client ID:	**KM-7-0809-7**					
Laboratory ID:	08-054-02					
Aroclor 1016	**ND**	0.057	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.057	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.057	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.057	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.057	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.057	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.057	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*72*	*33-122*				
Client ID:	**KM-8-0809-2**					
Laboratory ID:	08-054-04					
Aroclor 1016	**ND**	0.065	EPA 8082	8-14-09	8-18-09	X
Aroclor 1221	**ND**	0.065	EPA 8082	8-14-09	8-18-09	X
Aroclor 1232	**ND**	0.065	EPA 8082	8-14-09	8-18-09	X
Aroclor 1242	**ND**	0.065	EPA 8082	8-14-09	8-18-09	X
Aroclor 1248	**ND**	0.065	EPA 8082	8-14-09	8-18-09	X
Aroclor 1254	**ND**	0.065	EPA 8082	8-14-09	8-18-09	X
Aroclor 1260	**ND**	0.065	EPA 8082	8-14-09	8-18-09	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*76*	*33-122*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Lab Traveler: 0908-054
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-8-0809-7**					
Laboratory ID:	08-054-05					
Aroclor 1016	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*74*	*33-122*				
Client ID:	**KM-12-0809-2**					
Laboratory ID:	08-054-07					
Aroclor 1016	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*91*	*33-122*				
Client ID:	**KM-5-0809-2.5**					
Laboratory ID:	08-054-10					
Aroclor 1016	**ND**	0.064	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.064	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.064	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.064	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.064	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.064	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.064	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*79*	*33-122*				

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Lab Traveler: 0908-054
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-5-0809-6.5**					
Laboratory ID:	08-054-11					
Aroclor 1016	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*83*	*33-122*				
Client ID:	**KM-6-0809-2**					
Laboratory ID:	08-054-13					
Aroclor 1016	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*73*	*33-122*				
Client ID:	**KM-6-0809-4**					
Laboratory ID:	08-054-14					
Aroclor 1016	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*80*	*33-122*				

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Lab Traveler: 0908-054
Project: 14697

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0814S1					
Aroclor 1016	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*88*	*33-122*				
Laboratory ID:	MB0814S1					
Aroclor 1016	**ND**	0.050	EPA 8082	8-14-09	8-18-09	X
Aroclor 1221	**ND**	0.050	EPA 8082	8-14-09	8-18-09	X
Aroclor 1232	**ND**	0.050	EPA 8082	8-14-09	8-18-09	X
Aroclor 1242	**ND**	0.050	EPA 8082	8-14-09	8-18-09	X
Aroclor 1248	**ND**	0.050	EPA 8082	8-14-09	8-18-09	X
Aroclor 1254	**ND**	0.050	EPA 8082	8-14-09	8-18-09	X
Aroclor 1260	**ND**	0.050	EPA 8082	8-14-09	8-18-09	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*90*	*33-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	08-054-05										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.398**	**0.416**	0.500	0.500	ND	**80**	**83**	24-125	4	18	
Surrogate:											
DCB						*81*	*85*	*33-122*			

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Lab Traveler: 0908-054
Project: 14697

PCBs by EPA 8082

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-7-0809-W**					
Laboratory ID:	08-054-03					
Aroclor 1016	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Aroclor 1221	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Aroclor 1232	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Aroclor 1242	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Aroclor 1248	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Aroclor 1254	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Aroclor 1260	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*95*	*39-128*				
Client ID:	**KM-5-0809-W**					
Laboratory ID:	08-054-12					
Aroclor 1016	**ND**	0.053	EPA 8082	8-12-09	8-13-09	
Aroclor 1221	**ND**	0.053	EPA 8082	8-12-09	8-13-09	
Aroclor 1232	**ND**	0.053	EPA 8082	8-12-09	8-13-09	
Aroclor 1242	**ND**	0.053	EPA 8082	8-12-09	8-13-09	
Aroclor 1248	**ND**	0.053	EPA 8082	8-12-09	8-13-09	
Aroclor 1254	**ND**	0.053	EPA 8082	8-12-09	8-13-09	
Aroclor 1260	**ND**	0.053	EPA 8082	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*106*	*39-128*				

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Lab Traveler: 0908-054
Project: 14697

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0812W1					
Aroclor 1016	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1221	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1232	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1242	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1248	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1254	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1260	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*102*	*39-128*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0812W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.490**	**0.448**	0.500	0.500	N/A	**98**	**90**	58-113	9	11	
Surrogate:											
DCB						*103*	*96*	*39-128*			

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-01
Client ID: **KM-7-0809-2**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	15
Barium	6010B	**75**	3.7
Cadmium	6010B	**ND**	0.74
Chromium	6010B	**32**	0.74
Lead	6010B	**24**	7.4
Mercury	7471A	**ND**	0.37
Selenium	6010B	**ND**	15
Silver	6010B	**ND**	0.74

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-02
Client ID: **KM-7-0809-7**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	11
Barium	6010B	**41**	2.9
Cadmium	6010B	**ND**	0.57
Chromium	6010B	**8.0**	0.57
Lead	6010B	**ND**	5.7
Mercury	7471A	**ND**	0.29
Selenium	6010B	**ND**	11
Silver	6010B	**ND**	0.57

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-04
Client ID: **KM-8-0809-2**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	13
Barium	6010B	**61**	3.2
Cadmium	6010B	**ND**	0.65
Chromium	6010B	**20**	0.65
Lead	6010B	**12**	6.5
Mercury	7471A	**ND**	0.32
Selenium	6010B	**ND**	13
Silver	6010B	**ND**	0.65

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-05
Client ID: **KM-8-0809-7**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	11
Barium	6010B	**28**	2.7
Cadmium	6010B	**ND**	0.54
Chromium	6010B	**7.4**	0.54
Lead	6010B	**ND**	5.4
Mercury	7471A	**ND**	0.27
Selenium	6010B	**ND**	11
Silver	6010B	**ND**	0.54

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-07
Client ID: **KM-12-0809-2**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	11
Barium	6010B	**16**	2.6
Cadmium	6010B	**ND**	0.53
Chromium	6010B	**7.0**	0.53
Lead	6010B	**ND**	5.3
Mercury	7471A	**ND**	0.26
Selenium	6010B	**ND**	11
Silver	6010B	**ND**	0.53

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-10
Client ID: **KM-5-0809-2.5**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	13
Barium	6010B	**24**	3.2
Cadmium	6010B	**ND**	0.64
Chromium	6010B	**6.1**	0.64
Lead	6010B	**ND**	6.4
Mercury	7471A	**ND**	0.32
Selenium	6010B	**ND**	13
Silver	6010B	**ND**	0.64

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-11
Client ID: **KM-5-0809-6.5**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	11
Barium	6010B	**20**	2.6
Cadmium	6010B	**ND**	0.53
Chromium	6010B	**6.3**	0.53
Lead	6010B	**ND**	5.3
Mercury	7471A	**ND**	0.26
Selenium	6010B	**ND**	11
Silver	6010B	**ND**	0.53

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-13
Client ID: **KM-6-0809-2**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	11
Barium	6010B	**37**	2.7
Cadmium	6010B	**ND**	0.54
Chromium	6010B	**10**	0.54
Lead	6010B	**ND**	5.4
Mercury	7471A	**ND**	0.27
Selenium	6010B	**ND**	11
Silver	6010B	**ND**	0.54

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-14
Client ID: **KM-6-0809-4**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	11
Barium	6010B	**26**	2.7
Cadmium	6010B	**ND**	0.53
Chromium	6010B	**8.4**	0.53
Lead	6010B	**ND**	5.3
Mercury	7471A	**ND**	0.27
Selenium	6010B	**ND**	11
Silver	6010B	**ND**	0.53

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0811S2&MB0817S2

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Barium	6010B	**ND**	2.5
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Selenium	6010B	**ND**	10
Silver	6010B	**ND**	0.50

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-10

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Barium	**19.0**	**19.1**	0	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**4.74**	**5.40**	13	0.50	
Lead	**ND**	**ND**	NA	5.0	
Mercury	**ND**	**ND**	NA	0.25	
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	0.50	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-10

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**94.6**	95	**91.9**	92	3	
Barium	100	**114**	95	**113**	94	1	
Cadmium	50	**47.8**	96	**46.7**	93	2	
Chromium	100	**101**	96	**99.0**	94	2	
Lead	250	**244**	98	**239**	95	2	
Mercury	0.50	**0.466**	93	**0.448**	90	4	
Selenium	100	**94.7**	95	**88.8**	89	6	
Silver	25	**23.2**	93	**21.9**	88	6	

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 200.8/7470A

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-054-03
Client ID: KM-7-0809-W

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Barium	200.8	**ND**	28
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Lead	200.8	**ND**	1.1
Mercury	7470A	**ND**	0.50
Selenium	200.8	**ND**	5.6
Silver	200.8	**ND**	11

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 200.8/7470A

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-054-12
Client ID: KM-5-0809-W

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Barium	200.8	**ND**	28
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Lead	200.8	**ND**	1.1
Mercury	7470A	**ND**	0.50
Selenium	200.8	**ND**	5.6
Silver	200.8	**ND**	11

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 200.8/7470A
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-10&13-09
Date Analyzed:	8-10&13-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0810W1&MB0813W1

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Barium	200.8	**ND**	28
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Lead	200.8	**ND**	1.1
Mercury	7470A	**ND**	0.50
Selenium	200.8	**ND**	5.6
Silver	200.8	**ND**	11

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 200.8/7470A
DUPLICATE QUALITY CONTROL

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-035-09

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	3.3	
Barium	**ND**	**ND**	NA	28	
Cadmium	**ND**	**ND**	NA	4.4	
Chromium	**ND**	**ND**	NA	11	
Lead	**ND**	**ND**	NA	1.1	
Mercury	**ND**	**ND**	NA	0.50	
Selenium	**ND**	**ND**	NA	5.6	
Silver	**ND**	**ND**	NA	11	

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 200.8/7470A
MS/MSD QUALITY CONTROL

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-035-09

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	110	**111**	101	**114**	104	3	
Barium	110	**116**	105	**121**	110	5	
Cadmium	110	**113**	103	**116**	105	2	
Chromium	110	**107**	97	**109**	99	2	
Lead	110	**109**	99	**116**	105	6	
Mercury	12.5	**10.8**	86	**10.5**	84	3	
Selenium	110	**112**	102	**116**	105	3	
Silver	110	**107**	97	**116**	106	8	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Lab Traveler: 0908-054
Project: 14697

% MOISTURE

Date Analyzed: 8-10-09

Client ID	Lab ID	% Moisture
KM-7-0809-2	08-054-01	32
KM-7-0809-7	08-054-02	13
KM-8-0809-2	08-054-04	23
KM-8-0809-7	08-054-05	8
KM-12-0809-2	08-054-07	5
KM-5-0809-2.5	08-054-10	22
KM-5-0809-6.5	08-054-11	5
KM-6-0809-2	08-054-13	7
KM-6-0809-4	08-054-14	6

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and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical gas.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z1 - The chromatogram is similar to gas with mineral spirits.

Z2 - The chromatogram is similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

Page 1 of 2

OnSite Environmental Inc.

Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: Amec Geomatrix
Project Number: 14697
Project Name: Kelly Moore Phase II
Project Manager: Tasya Gray
Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Day
- ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 08-054

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664						1-10LD	% Moisture
1	KM-7-0809-2	8/7/09	710	S	6		X	X	X		X		X			X									X
2	KM-7-0809-7		715	S	6		⊗	⊗	⊗		⊗		⊗			⊗								X	⊗
3	KM-7-0809-W		755	W	12		⊗	⊗	⊗		⊗		⊗			⊗								X	⊗
4	KM-8-0809-2		~~835~~ 855 CB	S	6		X	X	X		X		X			X									X
5	KM-8-0809-7		905	S	6		⊗	⊗	⊗		⊗		⊗			⊗								X	⊗
6	KM-8-0809-W		925	W	12		X	X	X		X		X			X								X	
7	KM-12-0809-2		1100	S	6		X	X	X		X		X			X									X
8	KM-12-0809-5		1115	S	6		X	X	X		X		X			X								⊗	X
9	KM-12-0809-W		1145	W	12		X	X	X		X		X			X								⊗	
10	KM-5-0809-25		1320	S	6		X	X	X		X		X			X									X

	Signature	Company	Date	Time
Relinquished by		Amec Geomatrix	8/8/09	1030
Received by		OSHo En	8/8/09	1030
Relinquished by				
Received by				
Relinquished by				
Received by				

Comments/Special Instructions

*Hold - ~~KM-7-0809-7~~ ~~KM-7-0809-W~~ ~~KM-8-0809-7~~ KM-8-0809-W) cancelled DB

⊗ Added 8/10/09. DB.

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

Chain of Custody

OnSite Environmental Inc.
Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: Amec GMX
Project Number: 14697
Project Name: Kelly Moore
Project Manager: Tasya Gray
Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Day
- ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 08-054

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	H2O	% Moisture
11	KM-5-0809-6.5	8/7/09	1330	S	6		X	X	X		X		X			X			X	X
12	KM-5-0809-W		1406	W	12		X	X	X		X		X			X				
13	KM-6-0809-2		1525	S	6		X	X	X		X		X			X				X
14	KM-6-0809-4		1535	S	6		X	X	X		X		X			X			X	X
15	KM-6-0809-W	↓	1610	W	12		X	X	X		X		X			X			X	

	Signature	Company	Date	Time
Relinquished by		Amec Geomatrix	8/8/09	1030
Received by		OnSite Env	8/8/09	1030
Relinquished by				
Received by				
Relinquished by				
Received by				

Comments/Special Instructions:
* Hold KM-5-0809-6.5 Correct
KM-6-0809-4
KM-6-0809-W
⊗ Requested 8/10/09. DD

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

August 28, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0908-054B

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on August 8, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 28, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054B
Project: 14697

Case Narrative

Samples were collected on August 7, 2009, and received by the laboratory on August 8, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Volatiles EPA 8260B Analysis

The analysis holding time for sample KM-8-0809-W was exceeded by seven days.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 28, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054B
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	8-28-09
Date Analyzed:	8-28-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	08-054-06
Client ID:	**KM-8-0809-W**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 28, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054B
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 08-054-06
Client ID: KM-8-0809-W

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND	J	0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	18		0.20
m,p-Xylene	25		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	0.22		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	0.26		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	0.28		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	0.77		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	95	71-126
Toluene-d8	93	76-116
4-Bromofluorobenzene	89	70-123

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 28, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054B
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted:	8-28-09
Date Analyzed:	8-28-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0828W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 28, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054B
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB0828W1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	96	71-126
Toluene-d8	93	76-116
4-Bromofluorobenzene	80	70-123

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 28, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054B
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 8-28-09
Date Analyzed: 8-28-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB0828W1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	10.0	12.7	127	12.4	124	70-130	
Benzene	10.0	12.2	122	12.1	121	70-130	
Trichloroethene	10.0	10.6	106	10.1	101	70-123	
Toluene	10.0	11.6	116	11.4	114	77-120	
Chlorobenzene	10.0	9.84	98	9.71	97	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	2	21	
Benzene	1	18	
Trichloroethene	5	18	
Toluene	2	17	
Chlorobenzene	1	18	

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Memo

To:	Natasya Gray	Project:	14697
From:	Crystal Neirby	cc:	Project File
Date:	December 9, 2009		

Subject: Kelly Moore Paints – Soil and Groundwater Sampling – October and November 2009
Summary Data Quality Review – SDGs 0910-109, 0910-185, 0910-228, 0910-238, 0910-238B, 0911-103, 0911-132, 0911-192

This memorandum presents a summary data quality review for analyses of 43 soil samples, one hardened resin sample, one concrete sample, two groundwater samples, and four trip blanks collected from October 13 through November 24, 2009. The samples were submitted to OnSite Environmental Inc. (OnSite), a Washington State Department of Ecology (Ecology)-accredited laboratory, located in Redmond, Washington. The analyses were performed in general accordance with methods specified in the U.S. Environmental Protection Agency's (EPA's) Test Methods for Evaluating Solid Waste (SW-846) (EPA, 2008a). The samples were analyzed for one or more of the following analytes:

- Total petroleum hydrocarbons (TPH) as gasoline by Washington State Department of Ecology (Ecology) Method NWTPH-Gx,
- TPH as diesel extended by Ecology Method NWTPH-Dx with acid wash and silica gel cleanup,
- Volatile organic compounds (VOCs) by EPA Method 8260B,
- Semivolatile organic compounds (SVOCs) by EPA Method 8270 with polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270 with selective ion monitoring (SIM),
- Polychlorinated biphenyls (PCBs) by EPA Method 8082,
- Total metals (Resource Conservation and Recovery Act [RCRA] 8 list) by EPA Method 6010B for soil samples and EPA Method 200.8 for water samples, with mercury analyzed using EPA Method 7471A for soil samples and EPA Method 7470A for water samples, and
- Toxicity Characteristic Leaching Procedure (TCLP) metals by EPA Method 6010B.

The samples associated with each sample delivery group (SDG) and a summary of the data quality review are presented in Table 1 (attached).

AMEC Geomatrix, Inc.
600 University Street, Suite 1020
Seattle, Washington
USA 98101-4107
Tel (206) 342-1760
Fax (206) 342-1761
www.amecgeomatrixinc.com

The samples were received within the acceptable temperature range of 4 ± 2°C, with the exception of samples received with SDG 0910-109, which were received at 22 °C. The sample was submitted the day of collection and results are not qualified due to the elevated temperature. There were no sample discrepancies noted by the laboratory upon receipt. Samples analyzed for TPH as gasoline and VOCs were collected according to EPA Method 5035A. As indicated by the laboratory, the samples were submitted in pre-weighed 40-milliliter (mL) vials within 48 hours of collection and stored frozen until extraction or analysis.

Data were reviewed in accordance with the appropriate method procedures. The most current control limits provided by the laboratory were used to evaluate the quality control data.

The following were reviewed to assess compliance with applicable methods and the laboratory procedures: hold times; method blanks, blank spike (BS) and blank spike duplicate (BSD) results; matrix spike/matrix spike duplicate (MS/MSD) results; surrogate recoveries; laboratory duplicate results; and reporting limits. If data qualification was required, data were qualified in general accordance with the definitions and use of qualifying flags outlined in EPA guidance (EPA, 2004 and 2008).

Soil and groundwater samples were analyzed for TPH as gasoline, TPH as diesel, VOCs, SVOCs, PCBs, and total and TCLP metals by the methods identified in the introduction to this report and were evaluated for the following criteria.

1. Holding Times – Acceptable
2. Blanks – Acceptable except as noted:

   VOCs by EPA 8260B
   Trip blanks were submitted with the samples in SDGs 0910-185, 0910-228, 0910-238, and 0911-103. Chloroform was detected in all of the trip blanks at concentrations ranging from 0.20 µg/L to 0.34 µg/L. Chloroform was not detected in any of the associated samples; therefore, sample results are not affected and are not qualified.
3. BS/BSD – Acceptable

   The laboratory did not report blank spike results if acceptable MS/MSD or laboratory duplicate results were reported, following its standard operating procedure.
4. MS/MSD – Acceptable except as noted:

   Metals by EPA 6010B

   SDG 0910-185: The MS/MSD associated with sample PCS-1 was performed with a sample not associated with project samples. The aluminum recovery was greater than the control limits; sample results are not qualified based on the MS/MSD results since it is not representative of project sample matrices.

SDG 0911-192: The MS/MSD was performed using sample Concrete-Bldg7-1109. The MS/MSD recoveries for lead were 69 percent and 66 percent, less than the control limit of 75-125 percent. The lead result in sample Concrete-Bldg7-1109 was qualified as estimated and flagged with a "J".

5. Surrogates – Acceptable except as noted:

SVOCs by EPA 8270C

0910-185: The surrogate 2,4,6-tribromophenol was recovered greater than the control limits of 44 to 121 percent in the following samples: Tank3-B-1009 at 130 percent, Product-W1Wall-1009 at 133 percent, Tank4-B-1009 at 139 percent, Tank6-B-1009 at 137 percent, and Product-W2Wall-1009 at 137 percent. The laboratory standard operating procedure allows for one surrogate to be outside of acceptance limits as long as the recovery is greater than 10%. Sample results were not qualified since the remaining surrogates in all samples were within the control limits. The surrogate 2-fluorobiphenyl was recovered at 22 percent in sample Product-GW-1009 and at 23 percent in the MS/MSD performed with the same sample. The laboratory standard operating procedure allows for one surrogate to be outside of acceptance limits as long as the recovery is greater than 10%. Additionally, the MS/MSD results were within the control limits. Sample results were not qualified since the remaining surrogates were within the control limits.

0910-238: The surrogate 2-fluorophenol was recovered at 16 percent in sample NW Pipe-2.0-1009, less than the control limit of 19 to 97 percent. Additionally, the surrogate nitrobenzene was recovered at 136 percent in sample NW Pipe-0.5-1009, greater than the control limit of 21 to 106 percent. The laboratory standard operating procedure allows for one surrogate to be outside of acceptance limits as long as the recovery is greater than 10%. Sample results were not qualified since the remaining surrogates in both samples were within the control limits.

0911-192: The surrogates 2-fluorophenol, phenol-d6, and nitrobenzene-d5 were not recovered in sample B7-Trench2-1109 due to high concentrations of co-eluting compounds. The concentrations were not high enough to require dilution; therefore, the sample results were qualified as estimated and flagged with a "J".

TPH as Gasoline by NWTPH-Gx

0911-192: The surrogate was not recovered for samples B7-Trench1-1109 and B7-Trench2-1109 due to the necessary high dilution required to overcome high gasoline concentrations. Sample results were not qualified.

VOCs by EPA 8260B

0910-185: The surrogate 4-bromobenzene was recovered at 158 percent in sample Product-W2Wall-1009, greater than the control limit of 54 to 130 percent. Detected compounds in the sample were qualified as estimated and flagged with a "J".

0910-228: The surrogate 4-bromobenzene was recovered at 157 percent in sample Containment-WWall-1009, greater than the control limit of 54-130 percent. Detected compounds in the sample were qualified as estimated and flagged with a "J".

0911-192: The surrogate 4-bromobenzene was recovered at 140 percent in sample B7-Trench1-1109, greater than the control limit of 54-130 percent. Detected compounds in the sample were qualified as estimated and flagged with a "J".

6. Laboratory Duplicates – Acceptable except as noted:

Metals by EPA 6010B

SDG 0910-109: The cadmium duplicate relative percent difference (RPD) was 24 percent, greater than the control limit of 20 percent. The primary and duplicate sample results were not five times greater than the reporting limit; therefore, the control limit is not applicable. The difference between the primary and duplicate is less than the value of the reporting limit which satisfies the alternate evaluation criteria.

SDG 0910-228: The nickel RPD was 23 percent, greater than the control limit of 20 percent. The primary and duplicate sample results were not five times greater than the reporting limit; therefore, the control limit is not applicable. The difference between the primary and duplicate is less than the value of the reporting limit which satisfies the alternate evaluation criteria.

SDGs 0911-103 and 0911-132: The lead duplicate RPD was 32 percent, greater than the control limit of 20 percent. The primary and duplicate sample results were not five times greater than the reporting limit; therefore, the control limit is not applicable. The difference between the primary and duplicate is less than the value of the reporting limit which satisfies the alternate evaluation criteria.

SDG 0911-192: The lead duplicate RPD was 38 percent, greater than the control limit of 20 percent. The affected sample result (Concrete-Bldg7-1109) was previously qualified due to MS/MSD recoveries, and no further qualification is required.

7. Reporting Limits and Laboratory Qualifiers – Acceptable except as noted:

<u>VOCs by EPA 8260B:</u>
<u>SDG 0911-103:</u> The laboratory noted that the internal standard, 1,4-dichlorobenzene-d4, for soil sample TP4-1-1109 did not meet acceptance criteria because of matrix interference. The sample was reanalyzed with similar results. The laboratory stated that compounds from bromobenzene onward should be considered estimates. The compounds are not further qualified and are reported as estimated and flagged with a "J."

SDG 0911-192: The laboratory noted that the internal standard, 1,4-dichlorobenzene-d4, for soil sample B7-Trench1-1109 was not within the criteria because of matrix interference. The sample was reanalyzed with similar results. The laboratory stated that compounds from bromobenzene onward should be considered estimates. The compounds are not further qualified and are reported as estimated and flagged with a "J.

OVERALL ASSESSMENT OF DATA

The OnSite SDGs 0910-109, 0910-185, 0910-228, 0910-238, 0910-238B, 0911-103, 0911-132, 0911-192 are 100 percent complete. The data usability is based on EPA's guidance documents. Few problems were identified, and the analytical performance was generally within specified limits. The data are acceptable and meet the project's data quality objectives.

REFERENCES

EPA (U.S. Environmental Protection Agency), 2008a, Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846), Third Edition, September 1986; Final Update I, July 1992; Final Update IIA, August 1993; Final Update II, September 1994; Final Update IIB, January 1995; Final Update III, December 1996; Final Update IIIA, April 1998; Final Update IV, January 2008.

EPA, 2004, U.S. EPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review: EPA 540-R-04-004, October.

EPA, 2008a, U.S. EPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review: EPA 540-R-08-001, June.

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Sample ID	Matrix	SDG	Qualified Analyte	Qualified Result	Units	Qualifier Reason
Concrete Coating-101309	Hardened Resin	0910-109	none			
Tank3-B-1009	Soil	0910-185	none			
Product-W1 Wall-1009	Soil	0910-185	none			
Tank4-B-1009	Soil	0910-185	none			
Tank5-B-1009	Soil	0910-185	none			
Stockpile-P1	Soil	0910-185	none			
Tank6-B-1009	Soil	0910-185	none			
Stockpile-P2	Soil	0910-185	none			
Tank7-B-1009	Soil	0910-185	none			
Product-W2 Wall-1009	Soil	0910-185	acetone ethylbenzene m,p-xylene o-xylene isopropylbenzene n-propylbenzene sec-butylbenzene n-butylbenzene	0.51 J 0.082 J 1.4 J 0.51 J 0.19 J 0.18 J 0.24 J 0.19 J	mg/Kg	surrogate recovery
Product-GW-1009	Water	0910-185	none			
Stockpile-P3	Soil	0910-185	none			
Tank8-B-1009	Soil	0910-185	none			
PCS-1	Soil	0910-185	none			
Tank9-B-1009	Soil	0910-185	none			
Product-N Wall-1009	Soil	0910-185	none			
Product-E1 Wall-1009	Soil	0910-185	none			
Product-E2 Wall-1009	Soil	0910-185	none			
Stockpile-P4	Soil	0910-185	none			
Stockpile-P5	Soil	0910-185	none			
Product-S Wall-1009	Soil	0910-185	none			
Trip Blank	Trip Blank	0910-185	none			
Tank1-B-1009	Soil	0910-228	none			
Containment-S Wall-1009	Soil	0910-228	none			
Contain-GW-1009	Water	0910-228	none			

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Sample ID	Matrix	SDG	Qualified Analyte	Qualified Result	Units	Qualifier Reason
Tank2-B-1009	Soil	0910-228	none			
Containment-N Wall-1009	Soil	0910-228	none			
Containment-E Wall-1009	Soil	0910-228	none			
Containment-W Wall-1009	Soil	0910-228	acetone benzene ethylbenzene m,p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimethylbenzene sec-butylbenzene p-isopropyltoluene naphthalene	0.15 J 0.0020 J 0.072 J 0.25 J 0.11 J 0.044 J 0.047 J 0.029 J 0.0022 J 0.057 J 0.017 J 0.0040 J 0.013 J	mg/Kg	surrogate recovery
Pipe-1-1009	Soil	0910-228	none			
Stockpile-C1	Soil	0910-228	none			
PCS-2	Soil	0910-228	none			
Stockpile-C2	Soil	0910-228	none			
Stockpile-C3	Soil	0910-228	none			
Trip Blank	Trip Blank	0910-228	none			
NW Pipe-2.0-1009	Soil	0910-238 0910-238B	none			
NW Pipe-2.5-1009	Soil	0910-238 0910-238B	none			
NW Pipe-5.0-1009	Soil	0910-238	none			
NW Pipe-0.5-1009	Soil	0910-238 0910-238B	none			
Trip Blank	Trip Blank	0910-238	none			
TP4-8-1109	Soil	0911-103	none			
Product-W2b Wall-1109	Soil	0911-103	none			
Product-W1b Wall-1109	Soil	0911-103	none			
Tank4-B2-1109	Soil	0911-103	none			

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Sample ID	Matrix	SDG	Qualified Analyte	Qualified Result	Units	Qualifier Reason
TP4-1-1109	Soil	0911-103	bromobenzene 1,1,2,2-tetrachloroethane 1,2,3-trichloropropane n-propylbenzene 2-chlorotoluene 4-chlorotoluene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimethylbenzene sec-butylbenzene 1,3-dichlorobenzene p-isopropyltoluene 1,4-dichlorobenzene 1,2-dichlorobenzene n-butylbenzene 1,2-dibromo-3-chloropropane 1,2,4-trichlorobenzene hexachlorobutadiene naphthalene 1,2,3-trichlorobenzene	0.0027 UJ 0.0027 UJ 0.0027 UJ 0.0027 UJ 0.0027 UJ 0.0027 UJ 0.0027 UJ 0.0027 UJ 0.0027 UJ 0.0027 UJ 0.0027 UJ 0.0027 UJ 0.0027 UJ 0.0027 UJ 0.0027 UJ 0.013 UJ 0.0027 UJ 0.013 UJ 0.0027 UJ 0.0027 UJ	mg/Kg	Internal standard recovery
Trip Blank	Trip Blank	0911-103	none			
Pipe C1-1109	Soil	0911-132	none			
Concrete-Bldg7-1109	Concrete	0911-192	lead	85 J	mg/Kg	MS/MSD recovery
B7-Trench1-1109	Soil	0911-192	toluene ethylbenzene m,p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene 1,2,4-trimethylbenzene sec-butylbenzene p-isopropyltoluene n-butylbenzene	11 J 1.8 J 17 J 3.6 J 1.4 J 4.8 J 20 J 62 J 2.2 J 3.0 J 10 J	mg/Kg	surrogate recovery
B7-Trench2-1109	Soil	0911-192	all SVOCs	J or UJ	mg/Kg	surrogate recoveries

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Sample ID	Matrix	SDG	Qualified Analyte	Qualified Result	Units	Qualifier Reason
B7-Trench3-1109	Soil	0911-192	bromobenzene	0.0012 UJ	mg/Kg	Internal standard recovery
			1,1,2,2-tetrachloroethane	0.0012 UJ		
			1,2,3-trichloropropane	0.0012 UJ		
			n-propylbenzene	0.0012 UJ		
			2-chlorotoluene	0.0012 UJ		
			4-chlorotoluene	0.0012 UJ		
			1,3,5-trimethylbenzene	0.0013 J		
			tert-butylbenzene	0.0012 UJ		
			1,2,4-trimethylbenzene	0.0018 J		
			sec-butylbenzene	0.0012 UJ		
			1,3-dichlorobenzene	0.0012 UJ		
			p-isopropyltoluene	0.0012 UJ		
			1,4-dichlorobenzene	0.0012 UJ		
			1,2-dichlorobenzene	0.0012 UJ		
			n-butylbenzene	0.0012 UJ		
			1,2-dibromo-3-chloropropane	0.0058 UJ		
			1,2,4-trichlorobenzene	0.0012 UJ		
			hexachlorobutadiene	0.0058 UJ		
			naphthalene	0.0012 UJ		
			1,2,3-trichlorobenzenene	0.0012 UJ		

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 2, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0910-185

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on October 23, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,



David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

Case Narrative
page 1 of 2

Samples were collected on October 20, 21, and 22, 2009, and received by the laboratory on October 23, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Volatiles EPA 8260B (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Some MTCA A cleanup levels are non-achievable for sample PCS-1 due to the necessary dilution of the sample.

The Matrix Spike/Matrix Spike Duplicate recoveries for Toluene are outside control limits possibly due to a non-homogenous sample. The Spike Blank/Spike Blank Duplicate is also reported with normal Toluene recoveries. This QC set affects samples Stockpile P4 and Stockpile P5.

Some MTCA Method A cleanup levels are non-achievable for samples Product-W1 Wall-1009, Tank6-B-1009, Product-W2 Wall-1009, and Product-N Wall-1009 due to the necessary dilution of the samples.

Surrogate Standard 4-Bromofluorobenzene is outside control limits for sample Product-W2 Wall-1009 due to the high concentration of co-eluting compounds.

Total Metals EPA 6020/7471A Analysis

For sample PCS-1, due to the high concentration of Aluminum in the QC sample, the amount spiked was insufficient for meaningful MS/MSD recovery data. The Spike Blank recovery was 94%.

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Date of Report: November 2, 2009
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Case Narrative
page 2 of 2

Semivolatiles EPA 8270D/SIM (soil) Analysis

Samples Tank 3-B-1009, Product-W1 Wall-1009, Tank 4-B-1009, Tank 6-B-1009 and Product-W2 Wall-1009 had one surrogate recovery out of control limits. This is within allowance of our standard operation procedure as long as the recovery is above 10%.

Semivolatiles EPA 8270D/SIM (water) Analysis

The MS/MSD pair and the sample Product-GW-1009 had one surrogate recovery out of control limits. This is within allowance of our standard operation procedure as long as the recovery is above 10%.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-13				
Client ID:	**PCS-1**				
TPH-Gas	**490**	13	10-23-09	10-23-09	Z
Surrogate: Fluorobenzene	99%	53-126			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted:	10-23-09
Date Analyzed:	10-23-09
Matrix: Soil	
Units: mg/kg (ppm)	
Lab ID:	MB1023S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	101%		

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-23-09
Date Analyzed: 10-26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	10-181-01 **Original**	10-181-01 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	98%	96%		

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-05				
Client ID:	**Stockpile-P1**				
TPH-Gas	**ND**	4.9	10-26-09	10-26-09	
Surrogate: Fluorobenzene	95%	53-126			
Lab ID:	10-185-07				
Client ID:	**Stockpile-P2**				
TPH-Gas	**9.8**	4.9	10-26-09	10-26-09	
Surrogate: Fluorobenzene	91%	53-126			
Lab ID:	10-185-11				
Client ID:	**Stockpile-P3**				
TPH-Gas	**ND**	6.8	10-26-09	10-26-09	
Surrogate: Fluorobenzene	104%	53-126			
Lab ID:	10-185-18				
Client ID:	**Stockpile-P4**				
TPH-Gas	**ND**	5.3	10-26-09	10-26-09	
Surrogate: Fluorobenzene	93%	53-126			
Lab ID:	10-185-19				
Client ID:	**Stockpile-P5**				
TPH-Gas	**ND**	6.7	10-26-09	10-26-09	
Surrogate: Fluorobenzene	95%	53-126			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1026S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0

Surrogate Recovery:
Fluorobenzene 96%

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	10-185-19 **Original**	10-185-19 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	95%	96%		

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-01				
Client ID:	**Tank3-B-1009**				
TPH-Gas	**ND**	6.7	10-26-09	10-26-09	
Surrogate: Fluorobenzene	95%	53-126			
Lab ID:	10-185-02				
Client ID:	**Product-W1Wall-1009**				
TPH-Gas	**450**	6.7	10-26-09	10-26-09	Z
Surrogate: Fluorobenzene	95%	53-126			
Lab ID:	10-185-03				
Client ID:	**Tank4-B-1009**				
TPH-Gas	**36**	7.4	10-26-09	10-27-09	Z
Surrogate: Fluorobenzene	99%	53-126			
Lab ID:	10-185-04				
Client ID:	**Tank5-B-1009**				
TPH-Gas	**ND**	7.6	10-26-09	10-26-09	
Surrogate: Fluorobenzene	94%	53-126			
Lab ID:	10-185-06				
Client ID:	**Tank6-B-1009**				
TPH-Gas	**180**	6.2	10-26-09	10-27-09	Z
Surrogate: Fluorobenzene	94%	53-126			
Lab ID:	10-185-08				
Client ID:	**Tank7-B-1009**				
TPH-Gas	**ND**	5.3	10-26-09	10-27-09	
Surrogate: Fluorobenzene	93%	53-126			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-09				
Client ID:	**Product-W2Wall-1009**				
TPH-Gas	**3600**	140	10-26-09	10-27-09	Z
Surrogate: Fluorobenzene	87%	53-126			
Lab ID:	10-185-12				
Client ID:	**Tank8-B-1009**				
TPH-Gas	**ND**	7	10-26-09	10-27-09	
Surrogate: Fluorobenzene	94%	53-126			
Lab ID:	10-185-14				
Client ID:	**Tank9-B-1009**				
TPH-Gas	**28**	7.4	10-26-09	10-27-09	Z
Surrogate: Fluorobenzene	93%	53-126			

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-15				
Client ID:	**Product-NWall-1009**				
TPH-Gas	**100**	7.5	10-26-09	10-27-09	Z
Surrogate: Fluorobenzene	94%	53-126			
Lab ID:	10-185-16				
Client ID:	**Product-E1Wall-1009**				
TPH-Gas	**ND**	6.7	10-26-09	10-27-09	
Surrogate: Fluorobenzene	95%	53-126			
Lab ID:	10-185-17				
Client ID:	**Product-E2Wall-1009**				
TPH-Gas	**ND**	6.3	10-26-09	10-27-09	
Surrogate: Fluorobenzene	93%	53-126			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-20				
Client ID:	**Product-SWall-1009**				
TPH-Gas	**9.8**	7.7	10-26-09	10-27-09	Z
Surrogate: Fluorobenzene	95%	53-126			

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1026S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	96%		

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MD1026S2

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	95%		

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	10-185-18 **Original**	10-185-18 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	93%	98%		

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	10-185-19 **Original**	10-185-19 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	95%	96%		

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-10				
Client ID:	**Product-GW-1009**				
TPH-Gas	**200000**	25000	10-26-09	10-26-09	
Surrogate: Fluorobenzene	97%	74-121			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1026W1

	Result	Flags	PQL
TPH-Gas	**ND**		100

Surrogate Recovery:
Fluorobenzene 96%

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Water
Units: ug/L (ppb)

Lab ID:	10-185-10 **Original**	10-185-10 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**198000**	**186000**	6	
Surrogate Recovery:				
Fluorobenzene	97%	96%		

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-13				
Client ID:	**PCS-1**				
Diesel Range	**ND**	28	10-23-09	10-23-09	Y
Lube Oil	**90**	56	10-23-09	10-23-09	Y
Surrogate: o-terphenyl	78%	50-150			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	10-23-09
Date Analyzed:	10-23-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1023S1
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	96%
Flags:	Y

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	10-23-09
Date Analyzed:	10-23-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	10-157-34	10-157-34 DUP
Diesel Range:	**ND**	**ND**
PQL:	25	25
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	104%	71%
Flags:	Y	Y

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-05				
Client ID:	**Stockpile-P1**				
Diesel Range	**ND**	27	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	53	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	123%	50-150			
Lab ID:	10-185-07				
Client ID:	**Stockpile-P2**				
Diesel Range	**ND**	26	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	52	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	56%	50-150			
Lab ID:	10-185-11				
Client ID:	**Stockpile-P3**				
Diesel Range	**ND**	29	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	58	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	111%	50-150			
Lab ID:	10-185-18				
Client ID:	**Stockpile-P4**				
Diesel Range	**ND**	26	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	52	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	115%	50-150			
Lab ID:	10-185-19				
Client ID:	**Stockpile-P5**				
Diesel Range	**ND**	27	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	54	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	110%	50-150			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	10-27-09
Date Analyzed:	10-27-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1027S1
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	119%
Flags:	Y

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	10-27-09
Date Analyzed:	10-27-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	10-185-19	10-185-19 DUP
Diesel Range:	**ND**	**ND**
PQL:	25	25
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	110%	86%
Flags:	Y	Y

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-01				
Client ID:	**Tank3-B-1009**				
Diesel Range	**ND**	29	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	58	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	104%	50-150			
Lab ID:	10-185-02				
Client ID:	**Product-W1 Wall-1009**				
Diesel Range	**ND**	320	10-27-09	10-27-09	Y,U1
Lube Oil	**61**	55	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	125%	50-150			
Lab ID:	10-185-03				
Client ID:	**Tank4-B-1009**				
Diesel Range Organics	**ND**	36	10-27-09	10-27-09	Y,U1
Lube Oil Range	**ND**	64	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	114%	50-150			
Lab ID:	10-185-04				
Client ID:	**Tank5-B-1009**				
Diesel Range	**ND**	30	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	60	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	116%	50-150			
Lab ID:	10-185-06				
Client ID:	**Tank6-B-1009**				
Diesel Range Organics	**ND**	30	10-27-09	10-27-09	Y,U1
Lube Oil Range	**ND**	56	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	66%	50-150			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-08				
Client ID:	**Tank7-B-1009**				
Diesel Range	**ND**	29	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	57	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	96%	50-150			
Lab ID:	10-185-09				
Client ID:	**Product-W2 Wall-1009**				
Diesel Range	**ND**	1500	10-27-09	10-27-09	Y,U1
Lube Oil	**62**	56	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	103%	50-150			
Lab ID:	10-185-12				
Client ID:	**Tank8-B-1009**				
Diesel Range	**ND**	29	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	59	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	95%	50-150			
Lab ID:	10-185-14				
Client ID:	**Tank9-B-1009**				
Diesel Range Organics	**ND**	88	10-27-09	10-27-09	Y,U1
Lube Oil Range	**ND**	61	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	103%	50-150			
Lab ID:	10-185-15				
Client ID:	**Product-N wall-1009**				
Diesel Range	**ND**	32	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	64	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	94%	50-150			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-16				
Client ID:	**Product-E1 Wall-1009**				
Diesel Range	**ND**	28	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	56	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	106%	50-150			
Lab ID:	10-185-17				
Client ID:	**Product-E2 Wall-1009**				
Diesel Range	**ND**	29	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	58	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	88%	50-150			
Lab ID:	10-185-20				
Client ID:	**Product-S wall-1009**				
Diesel Range	**ND**	30	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	61	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	115%	50-150			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	10-27-09
Date Analyzed:	10-27-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1027S1
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	119%
Flags:	Y

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-27-09
Date Analyzed: 10-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	10-185-18	10-185-18 DUP
Diesel Range:	**ND**	**ND**
PQL:	25	25
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	115%	123%
Flags:	Y	Y

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	10-27-09
Date Analyzed:	10-27-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	10-185-19	10-185-19 DUP
Diesel Range:	**ND**	**ND**
PQL:	25	25
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	110%	86%
Flags:	Y	Y

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-10				
Client ID:	**Product-GW-1009**				
Diesel Range	**ND**	1.8	10-23-09	10-23-09	Y,U1
Lube Oil	**0.45**	0.43	10-23-09	10-23-09	Y
Surrogate: o-terphenyl	89%	50-150			

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Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	10-23-09
Date Analyzed:	10-23-09
Matrix:	Water
Units:	mg/L (ppm)
Lab ID:	MB1023W1
Diesel Range:	**ND**
PQL:	0.25
Identification:	---
Lube Oil Range:	**ND**
PQL:	0.40
Identification:	---
Surrogate Recovery	
o-Terphenyl:	90%
Flags:	Y

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Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	10-23-09
Date Analyzed:	10-23-09
Matrix:	Water
Units:	mg/L (ppm)

Lab ID:	10-185-10	10-185-10 DUP
Diesel Range:	**ND**	**ND**
PQL:	1.8	1.1
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	89%	87%
Flags:	Y,U1	Y,U1

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Date of Report: November 2, 2009
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Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**PCS-1**					
Laboratory ID:	10-185-13					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Pyridine	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Phenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Aniline	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Hexachloroethane	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Nitrobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Isophorone	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Naphthalene	**0.0083**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2-Methylnaphthalene	**0.010**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
1-Methylnaphthalene	**0.0095**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Acenaphthylene	**ND**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	10-23-09	10-23-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**PCS-1**					
Laboratory ID:	10-185-13					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-23-09	10-23-09	
Acenaphthene	**ND**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Dibenzofuran	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Diethylphthalate	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Fluorene	**ND**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-23-09	10-23-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-23-09	10-23-09	
Phenanthrene	**0.046**	0.037	EPA 8270	10-23-09	10-23-09	
Anthracene	**ND**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
Carbazole	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Fluoranthene	**0.057**	0.037	EPA 8270	10-23-09	10-23-09	
Benzidine	**ND**	0.37	EPA 8270	10-23-09	10-23-09	
Pyrene	**0.066**	0.037	EPA 8270	10-23-09	10-23-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	10-23-09	10-23-09	
Benzo[a]anthracene	**0.040**	0.037	EPA 8270	10-23-09	10-23-09	
Chrysene	**0.052**	0.037	EPA 8270	10-23-09	10-23-09	
bis(2-Ethylhexyl)phthalate	**0.051**	0.037	EPA 8270	10-23-09	10-23-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Benzo[b]fluoranthene	**0.077**	0.037	EPA 8270	10-23-09	10-23-09	
Benzo[k]fluoranthene	**0.016**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
Benzo[a]pyrene	**0.044**	0.037	EPA 8270	10-23-09	10-23-09	
Indeno[1,2,3-cd]pyrene	**0.025**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
Dibenz[a,h]anthracene	**0.010**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
Benzo[g,h,i]perylene	**0.041**	0.037	EPA 8270	10-23-09	10-23-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*57*	*19 - 97*				
Phenol-d6	*58*	*22 - 108*				
Nitrobenzene-d5	*61*	*21 - 106*				
2-Fluorobiphenyl	*76*	*29 - 107*				
2,4,6-Tribromophenol	*105*	*44 - 121*				
Terphenyl-d14	*83*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1023S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Pyridine	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Phenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Aniline	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Hexachloroethane	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Nitrobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Isophorone	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	10-23-09	10-23-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1023S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	10-23-09	10-23-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Dibenzofuran	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Diethylphthalate	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	10-23-09	10-23-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	10-23-09	10-23-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Carbazole	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Benzidine	**ND**	0.33	EPA 8270	10-23-09	10-23-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	10-23-09	10-23-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*67*	*19 - 97*				
Phenol-d6	*66*	*22 - 108*				
Nitrobenzene-d5	*68*	*21 - 106*				
2-Fluorobiphenyl	*74*	*29 - 107*				
2,4,6-Tribromophenol	*103*	*44 - 121*				
Terphenyl-d14	*84*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-185-13										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**1.00**	**1.02**	1.33	1.33	ND	75	77	38 - 97	2	30	
2-Chlorophenol	**1.06**	**1.09**	1.33	1.33	ND	80	82	28 - 102	3	38	
1,4-Dichlorobenzene	**0.499**	**0.534**	0.667	0.667	ND	75	80	14 - 84	7	41	
N-Nitroso-di-n-propylamine	**0.530**	**0.547**	0.667	0.667	ND	79	82	25 - 104	3	39	
1,2,4-Trichlorobenzene	**0.542**	**0.577**	0.667	0.667	ND	81	87	23 - 93	6	37	
4-Chloro-3-methylphenol	**1.19**	**1.24**	1.33	1.33	ND	89	93	49 - 113	4	31	
Acenaphthene	**0.575**	**0.599**	0.667	0.667	ND	86	90	37 - 101	4	40	
4-Nitrophenol	**1.32**	**1.33**	1.33	1.33	ND	99	100	30 - 136	1	31	
2,4-Dinitrotoluene	**0.677**	**0.696**	0.667	0.667	ND	101	104	36 - 122	3	32	
Pentachlorophenol	**1.43**	**1.35**	1.33	1.33	ND	108	102	15 - 143	6	34	
Pyrene	**0.700**	**0.697**	0.667	0.667	0.0590	96	96	24 - 138	0	39	
Surrogate:											
2-Fluorophenol						*71*	*71*	*19 - 97*			
Phenol-d6						*68*	*68*	*22 - 108*			
Nitrobenzene-d5						*69*	*71*	*21 - 106*			
2-Fluorobiphenyl						*79*	*83*	*29 - 107*			
2,4,6-Tribromophenol						*113*	*111*	*44 - 121*			
Terphenyl-d14						*88*	*87*	*37 - 120*			

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Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P1**					
Laboratory ID:	10-185-05					
N-Nitrosodimethylamine	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.035	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P1**					
Laboratory ID:	10-185-05					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.18	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.018**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.35	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.018**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.35	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.020**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**0.026**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.055**	0.035	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.011**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**0.023**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.018**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.0081**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.021**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*84*	*19 - 97*				
Phenol-d6	*78*	*22 - 108*				
Nitrobenzene-d5	*76*	*21 - 106*				
2-Fluorobiphenyl	*87*	*29 - 107*				
2,4,6-Tribromophenol	*118*	*44 - 121*				
Terphenyl-d14	*99*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P2**					
Laboratory ID:	10-185-07					
N-Nitrosodimethylamine	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.034	EPA 8270	10-26-09	10-26-09	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P2**					
Laboratory ID:	10-185-07					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.012**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.34	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.012**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.34	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.012**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**0.014**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**0.036**	0.034	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.025**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.0070**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**0.013**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.011**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.013**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*76*	*19 - 97*				
Phenol-d6	*73*	*22 - 108*				
Nitrobenzene-d5	*69*	*21 - 106*				
2-Fluorobiphenyl	*80*	*29 - 107*				
2,4,6-Tribromophenol	*113*	*44 - 121*				
Terphenyl-d14	*92*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P3**					
Laboratory ID:	10-185-11					
N-Nitrosodimethylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P3**					
Laboratory ID:	10-185-11					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.019**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.39	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.019**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.39	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.022**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**0.028**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.061**	0.039	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.015**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**0.022**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.016**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.019**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*84*	*19 - 97*				
Phenol-d6	*79*	*22 - 108*				
Nitrobenzene-d5	*73*	*21 - 106*				
2-Fluorobiphenyl	*84*	*29 - 107*				
2,4,6-Tribromophenol	*118*	*44 - 121*				
Terphenyl-d14	*99*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P4**					
Laboratory ID:	10-185-18					
N-Nitrosodimethylamine	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Pyridine	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Phenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Aniline	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethyl)ether	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2-Chlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
1,3-Dichlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
1,4-Dichlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Benzyl alcohol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
1,2-Dichlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2-Methylphenol (o-Cresol)	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroisopropyl)ether	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
N-Nitroso-di-n-propylamine	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Hexachloroethane	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Nitrobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Isophorone	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2-Nitrophenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,4-Dimethylphenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethoxy)methane	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,4-Dichlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
1,2,4-Trichlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Naphthalene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
4-Chloroaniline	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Hexachlorobutadiene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
4-Chloro-3-methylphenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2-Methylnaphthalene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
1-Methylnaphthalene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Hexachlorocyclopentadiene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,4,6-Trichlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,3-Dichloroaniline	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,4,5-Trichlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2-Chloronaphthalene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2-Nitroaniline	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
1,4-Dinitrobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Dimethylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
1,3-Dinitrobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,6-Dinitrotoluene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
1,2-Dinitrobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Acenaphthylene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
3-Nitroaniline	**ND**	0.035	EPA 8270	10-26-09	10-27-09	

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Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P4**					
Laboratory ID:	10-185-18					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	10-26-09	10-27-09	
Acenaphthene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
4-Nitrophenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,4-Dinitrotoluene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Dibenzofuran	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Diethylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
4-Chlorophenyl-phenylether	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
4-Nitroaniline	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Fluorene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	10-26-09	10-27-09	
N-Nitrosodiphenylamine	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
1,2-Diphenylhydrazine	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
4-Bromophenyl-phenylether	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Hexachlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	10-26-09	10-27-09	
Phenanthrene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Anthracene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Carbazole	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Di-n-butylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Fluoranthene	**0.012**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Benzidine	**ND**	0.35	EPA 8270	10-26-09	10-27-09	
Pyrene	**0.011**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Butylbenzylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
bis-2-Ethylhexyladipate	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
3,3'-Dichlorobenzidine	**ND**	0.35	EPA 8270	10-26-09	10-27-09	
Benzo[a]anthracene	**0.013**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Chrysene	**0.016**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Di-n-octylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Benzo[b]fluoranthene	**0.036**	0.035	EPA 8270	10-26-09	10-27-09	
Benzo[k]fluoranthene	**0.0076**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[a]pyrene	**0.015**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Indeno[1,2,3-cd]pyrene	**0.012**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Dibenz[a,h]anthracene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[g,h,i]perylene	**0.014**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*78*	*19 - 97*				
Phenol-d6	*74*	*22 - 108*				
Nitrobenzene-d5	*68*	*21 - 106*				
2-Fluorobiphenyl	*80*	*29 - 107*				
2,4,6-Tribromophenol	*106*	*44 - 121*				
Terphenyl-d14	*87*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P5**					
Laboratory ID:	10-185-19					
N-Nitrosodimethylamine	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Pyridine	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Phenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Aniline	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethyl)ether	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2-Chlorophenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
1,3-Dichlorobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
1,4-Dichlorobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Benzyl alcohol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
1,2-Dichlorobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2-Methylphenol (o-Cresol)	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroisopropyl)ether	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
N-Nitroso-di-n-propylamine	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Hexachloroethane	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Nitrobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Isophorone	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2-Nitrophenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,4-Dimethylphenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethoxy)methane	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,4-Dichlorophenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
1,2,4-Trichlorobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Naphthalene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
4-Chloroaniline	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Hexachlorobutadiene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
4-Chloro-3-methylphenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2-Methylnaphthalene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
1-Methylnaphthalene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Hexachlorocyclopentadiene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,4,6-Trichlorophenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,3-Dichloroaniline	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,4,5-Trichlorophenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2-Chloronaphthalene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2-Nitroaniline	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
1,4-Dinitrobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Dimethylphthalate	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
1,3-Dinitrobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,6-Dinitrotoluene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
1,2-Dinitrobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Acenaphthylene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
3-Nitroaniline	**ND**	0.036	EPA 8270	10-26-09	10-27-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P5**					
Laboratory ID:	10-185-19					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	10-26-09	10-27-09	
Acenaphthene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
4-Nitrophenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,4-Dinitrotoluene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Dibenzofuran	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Diethylphthalate	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
4-Chlorophenyl-phenylether	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
4-Nitroaniline	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Fluorene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	10-26-09	10-27-09	
N-Nitrosodiphenylamine	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
1,2-Diphenylhydrazine	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
4-Bromophenyl-phenylether	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Hexachlorobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Pentachlorophenol	**ND**	0.18	EPA 8270	10-26-09	10-27-09	
Phenanthrene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Anthracene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Carbazole	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Di-n-butylphthalate	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Fluoranthene	**0.011**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Benzidine	**ND**	0.36	EPA 8270	10-26-09	10-27-09	
Pyrene	**0.010**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Butylbenzylphthalate	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
bis-2-Ethylhexyladipate	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
3,3'-Dichlorobenzidine	**ND**	0.36	EPA 8270	10-26-09	10-27-09	
Benzo[a]anthracene	**0.013**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Chrysene	**0.016**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Di-n-octylphthalate	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Benzo[b]fluoranthene	**0.029**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[k]fluoranthene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[a]pyrene	**0.013**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Indeno[1,2,3-cd]pyrene	**0.010**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Dibenz[a,h]anthracene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[g,h,i]perylene	**0.012**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*76*	*19 - 97*				
Phenol-d6	*71*	*22 - 108*				
Nitrobenzene-d5	*70*	*21 - 106*				
2-Fluorobiphenyl	*79*	*29 - 107*				
2,4,6-Tribromophenol	*118*	*44 - 121*				
Terphenyl-d14	*100*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1026S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1026S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.33	EPA 8270	10-26-09	10-26-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*77*	*19 - 97*				
Phenol-d6	*71*	*22 - 108*				
Nitrobenzene-d5	*70*	*21 - 106*				
2-Fluorobiphenyl	*80*	*29 - 107*				
2,4,6-Tribromophenol	*116*	*44 - 121*				
Terphenyl-d14	*106*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-185-19										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**1.10**	**1.07**	1.33	1.33	ND	83	80	38 - 97	3	30	
2-Chlorophenol	**1.22**	**1.16**	1.33	1.33	ND	92	87	28 - 102	5	38	
1,4-Dichlorobenzene	**0.573**	**0.538**	0.667	0.667	ND	86	81	14 - 86	6	41	
N-Nitroso-di-n-propylamine	**0.494**	**0.474**	0.667	0.667	ND	74	71	25 - 104	4	39	
1,2,4-Trichlorobenzene	**0.608**	**0.574**	0.667	0.667	ND	91	86	23 - 93	6	37	
4-Chloro-3-methylphenol	**1.32**	**1.22**	1.33	1.33	ND	99	92	49 - 113	8	31	
Acenaphthene	**0.599**	**0.587**	0.667	0.667	ND	90	88	37 - 101	2	40	
4-Nitrophenol	**1.57**	**1.53**	1.33	1.33	ND	118	115	30 - 136	3	31	
2,4-Dinitrotoluene	**0.736**	**0.730**	0.667	0.667	ND	110	109	36 - 122	1	32	
Pentachlorophenol	**1.33**	**1.29**	1.33	1.33	ND	100	97	15 - 143	3	34	
Pyrene	**0.700**	**0.704**	0.667	0.667	ND	105	106	24 - 138	1	39	
Surrogate:											
2-Fluorophenol						*83*	*79*	*19 - 97*			
Phenol-d6						*76*	*72*	*22 - 108*			
Nitrobenzene-d5						*76*	*70*	*21 - 106*			
2-Fluorobiphenyl						*84*	*82*	*29 - 107*			
2,4,6-Tribromophenol						*120*	*117*	*44 - 121*			
Terphenyl-d14						*102*	*100*	*37 - 120*			

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Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 3-B-1009**					
Laboratory ID:	10-185-01					
N-Nitrosodimethylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	

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Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 3-B-1009**					
Laboratory ID:	10-185-01					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**0.010**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**0.010**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.10**	0.039	EPA 8270	10-26-09	10-26-09	
Benzidine	**ND**	0.39	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.093**	0.039	EPA 8270	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.39	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.061**	0.039	EPA 8270	10-26-09	10-26-09	
Chrysene	**0.083**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.13**	0.039	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.043**	0.039	EPA 8270	10-26-09	10-26-09	
Benzo[a]pyrene	**0.079**	0.039	EPA 8270	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.067**	0.039	EPA 8270	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.020**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.080**	0.039	EPA 8270	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*89*	*19 - 97*				
Phenol-d6	*84*	*22 - 108*				
Nitrobenzene-d5	*83*	*21 - 106*				
2-Fluorobiphenyl	*92*	*29 - 107*				
2,4,6-Tribromophenol	*130*	*44 - 121*				Q
Terphenyl-d14	*107*	*37 - 120*				

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Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-W1 Wall-1009**					
Laboratory ID:	10-185-02					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Naphthalene	**0.014**	0.0073	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**0.071**	0.037	EPA 8270	10-26-09	10-26-09	
1-Methylnaphthalene	**0.039**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0073	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	

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Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-W1 Wall-1009**					
Laboratory ID:	10-185-02					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**0.040**	0.037	EPA 8270	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluorene	**0.041**	0.037	EPA 8270	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.18	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**0.23**	0.037	EPA 8270	10-26-09	10-26-09	
Anthracene	**0.038**	0.037	EPA 8270	10-26-09	10-26-09	
Carbazole	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.21**	0.037	EPA 8270	10-26-09	10-26-09	
Benzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.20**	0.037	EPA 8270	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.073**	0.037	EPA 8270	10-26-09	10-26-09	
Chrysene	**0.089**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.085**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.020**	0.0073	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**0.062**	0.037	EPA 8270	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.027**	0.0073	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.011**	0.0073	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.042**	0.037	EPA 8270	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*88*	*19 - 97*				
Phenol-d6	*82*	*22 - 108*				
Nitrobenzene-d5	*78*	*21 - 106*				
2-Fluorobiphenyl	*90*	*29 - 107*				
2,4,6-Tribromophenol	*133*	*44 - 121*				Q
Terphenyl-d14	*106*	*37 - 120*				

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Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 4-B-1009**					
Laboratory ID:	10-185-03					
N-Nitrosodimethylamine	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Naphthalene	**0.064**	0.043	EPA 8270	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**0.013**	0.0085	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**0.0086**	0.0085	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**0.056**	0.043	EPA 8270	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.043	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 4-B-1009**					
Laboratory ID:	10-185-03					
2,4-Dinitrophenol	**ND**	0.21	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**0.020**	0.0085	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Fluorene	**0.057**	0.043	EPA 8270	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.21	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.21	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**0.33**	0.043	EPA 8270	10-26-09	10-26-09	
Anthracene	**0.18**	0.043	EPA 8270	10-26-09	10-26-09	
Carbazole	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**1.5**	0.043	EPA 8270	10-26-09	10-26-09	
Benzidine	**ND**	0.43	EPA 8270	10-26-09	10-26-09	
Pyrene	**2.0**	0.043	EPA 8270	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.43	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.90**	0.043	EPA 8270	10-26-09	10-26-09	
Chrysene	**1.3**	0.043	EPA 8270	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**1.7**	0.043	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.53**	0.043	EPA 8270	10-26-09	10-26-09	
Benzo[a]pyrene	**1.8**	0.043	EPA 8270	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**1.3**	0.043	EPA 8270	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.068**	0.043	EPA 8270	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**1.7**	0.043	EPA 8270	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*83*	*19 - 97*				
Phenol-d6	*79*	*22 - 108*				
Nitrobenzene-d5	*75*	*21 - 106*				
2-Fluorobiphenyl	*90*	*29 - 107*				
2,4,6-Tribromophenol	*139*	*44 - 121*				Q
Terphenyl-d14	*118*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 5-B-1009**					
Laboratory ID:	10-185-04					
N-Nitrosodimethylamine	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.040	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 5-B-1009**					
Laboratory ID:	10-185-04					
2,4-Dinitrophenol	**ND**	0.20	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.20	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.20	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.40	EPA 8270	10-26-09	10-26-09	
Pyrene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.40	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[k]fluoranthene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*77*	*19 - 97*				
Phenol-d6	*76*	*22 - 108*				
Nitrobenzene-d5	*68*	*21 - 106*				
2-Fluorobiphenyl	*81*	*29 - 107*				
2,4,6-Tribromophenol	*119*	*44 - 121*				
Terphenyl-d14	*101*	*37 - 120*				

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Date of Report: November 2, 2009
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Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 6-B-1009**					
Laboratory ID:	10-185-06					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Naphthalene	**0.026**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**0.013**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**0.0085**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 6-B-1009**					
Laboratory ID:	10-185-06					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluorene	**0.010**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**0.11**	0.037	EPA 8270	10-26-09	10-26-09	
Anthracene	**0.022**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.25**	0.037	EPA 8270	10-26-09	10-26-09	
Benzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.25**	0.037	EPA 8270	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.10**	0.037	EPA 8270	10-26-09	10-26-09	
Chrysene	**0.12**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.12**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.037**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[a]pyrene	**0.090**	0.037	EPA 8270	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.052**	0.037	EPA 8270	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.017**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.061**	0.037	EPA 8270	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*90*	*19 - 97*				
Phenol-d6	*86*	*22 - 108*				
Nitrobenzene-d5	*81*	*21 - 106*				
2-Fluorobiphenyl	*95*	*29 - 107*				
2,4,6-Tribromophenol	*137*	*44 - 121*				Q
Terphenyl-d14	*108*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 7-B-1009**					
Laboratory ID:	10-185-08					
N-Nitrosodimethylamine	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.038	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 7-B-1009**					
Laboratory ID:	10-185-08					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.0098**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.38	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.0096**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.38	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.011**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**0.014**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.024**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[k]fluoranthene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**0.013**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.0091**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.011**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*77*	*19 - 97*				
Phenol-d6	*73*	*22 - 108*				
Nitrobenzene-d5	*69*	*21 - 106*				
2-Fluorobiphenyl	*81*	*29 - 107*				
2,4,6-Tribromophenol	*120*	*44 - 121*				
Terphenyl-d14	*97*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-W2 Wall-1009**					
Laboratory ID:	10-185-09					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Naphthalene	**0.0096**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**0.0076**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	

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Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-W2 Wall-1009**					
Laboratory ID:	10-185-09					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**0.13**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluorene	**0.019**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**0.21**	0.037	EPA 8270	10-26-09	10-26-09	
Anthracene	**0.055**	0.037	EPA 8270	10-26-09	10-26-09	
Carbazole	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.56**	0.037	EPA 8270	10-26-09	10-26-09	
Benzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.54**	0.037	EPA 8270	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.25**	0.037	EPA 8270	10-26-09	10-26-09	
Chrysene	**0.30**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.30**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.088**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[a]pyrene	**0.22**	0.037	EPA 8270	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.12**	0.037	EPA 8270	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.037**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.14**	0.037	EPA 8270	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*84*	*19 - 97*				
Phenol-d6	*79*	*22 - 108*				
Nitrobenzene-d5	*77*	*21 - 106*				
2-Fluorobiphenyl	*93*	*29 - 107*				
2,4,6-Tribromophenol	*137*	*44 - 121*				Q
Terphenyl-d14	*105*	*37 - 120*				

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Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 8-B-1009**					
Laboratory ID:	10-185-12					
N-Nitrosodimethylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 8-B-1009**					
Laboratory ID:	10-185-12					
2,4-Dinitrophenol	**ND**	0.20	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.20	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.20	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.018**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.39	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.017**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.39	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.022**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**0.041**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.066**	0.039	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.016**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**0.025**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.021**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.0093**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.024**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*76*	*19 - 97*				
Phenol-d6	*73*	*22 - 108*				
Nitrobenzene-d5	*68*	*21 - 106*				
2-Fluorobiphenyl	*80*	*29 - 107*				
2,4,6-Tribromophenol	*114*	*44 - 121*				
Terphenyl-d14	*94*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 9-B-1009**					
Laboratory ID:	10-185-14					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Naphthalene	**0.024**	0.0074	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**0.0099**	0.0074	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0074	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0074	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	

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Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 9-B-1009**					
Laboratory ID:	10-185-14					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**0.052**	0.037	EPA 8270	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluorene	**0.058**	0.037	EPA 8270	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**0.14**	0.037	EPA 8270	10-26-09	10-26-09	
Anthracene	**0.041**	0.037	EPA 8270	10-26-09	10-26-09	
Carbazole	**0.041**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.28**	0.037	EPA 8270	10-26-09	10-26-09	
Benzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.25**	0.037	EPA 8270	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.086**	0.037	EPA 8270	10-26-09	10-26-09	
Chrysene	**0.11**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**0.049**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.11**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.037**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[a]pyrene	**0.084**	0.037	EPA 8270	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.052**	0.037	EPA 8270	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.015**	0.0074	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.069**	0.037	EPA 8270	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*60*	*19 - 97*				
Phenol-d6	*58*	*22 - 108*				
Nitrobenzene-d5	*54*	*21 - 106*				
2-Fluorobiphenyl	*72*	*29 - 107*				
2,4,6-Tribromophenol	*119*	*44 - 121*				
Terphenyl-d14	*94*	*37 - 120*				

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Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-N Wall-1009**					
Laboratory ID:	10-185-15					
N-Nitrosodimethylamine	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Naphthalene	**0.028**	0.0084	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**0.019**	0.0084	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**0.012**	0.0084	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0084	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.042	EPA 8270	10-26-09	10-26-09	

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Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-N Wall-1009**					
Laboratory ID:	10-185-15					
2,4-Dinitrophenol	**ND**	0.21	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**0.025**	0.0084	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Fluorene	**0.050**	0.042	EPA 8270	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.21	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.21	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**0.75**	0.042	EPA 8270	10-26-09	10-26-09	
Anthracene	**0.064**	0.042	EPA 8270	10-26-09	10-26-09	
Carbazole	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.52**	0.042	EPA 8270	10-26-09	10-26-09	
Benzidine	**ND**	0.42	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.44**	0.042	EPA 8270	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.42	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.16**	0.042	EPA 8270	10-26-09	10-26-09	
Chrysene	**0.23**	0.042	EPA 8270	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.18**	0.042	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.063**	0.042	EPA 8270	10-26-09	10-26-09	
Benzo[a]pyrene	**0.13**	0.042	EPA 8270	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.062**	0.042	EPA 8270	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.024**	0.0084	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.079**	0.042	EPA 8270	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*64*	*19 - 97*				
Phenol-d6	*63*	*22 - 108*				
Nitrobenzene-d5	*57*	*21 - 106*				
2-Fluorobiphenyl	*75*	*29 - 107*				
2,4,6-Tribromophenol	*117*	*44 - 121*				
Terphenyl-d14	*95*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-E1 Wall-1009**					
Laboratory ID:	10-185-16					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-E1 Wall-1009**					
Laboratory ID:	10-185-16					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Pyrene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[k]fluoranthene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*72*	*19 - 97*				
Phenol-d6	*70*	*22 - 108*				
Nitrobenzene-d5	*65*	*21 - 106*				
2-Fluorobiphenyl	*78*	*29 - 107*				
2,4,6-Tribromophenol	*104*	*44 - 121*				
Terphenyl-d14	*94*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-E2 Wall-1009**					
Laboratory ID:	10-185-17					
N-Nitrosodimethylamine	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Pyridine	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Phenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Aniline	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethyl)ether	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2-Chlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
1,3-Dichlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
1,4-Dichlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Benzyl alcohol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
1,2-Dichlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2-Methylphenol (o-Cresol)	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroisopropyl)ether	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
N-Nitroso-di-n-propylamine	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Hexachloroethane	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Nitrobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Isophorone	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2-Nitrophenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,4-Dimethylphenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethoxy)methane	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,4-Dichlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
1,2,4-Trichlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Naphthalene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
4-Chloroaniline	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Hexachlorobutadiene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
4-Chloro-3-methylphenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2-Methylnaphthalene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
1-Methylnaphthalene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Hexachlorocyclopentadiene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,4,6-Trichlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,3-Dichloroaniline	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,4,5-Trichlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2-Chloronaphthalene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2-Nitroaniline	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
1,4-Dinitrobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Dimethylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
1,3-Dinitrobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,6-Dinitrotoluene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
1,2-Dinitrobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Acenaphthylene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
3-Nitroaniline	**ND**	0.038	EPA 8270	10-26-09	10-27-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-E2 Wall-1009**					
Laboratory ID:	10-185-17					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-26-09	10-27-09	
Acenaphthene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
4-Nitrophenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,4-Dinitrotoluene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Dibenzofuran	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Diethylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
4-Chlorophenyl-phenylether	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
4-Nitroaniline	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Fluorene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-26-09	10-27-09	
N-Nitrosodiphenylamine	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
1,2-Diphenylhydrazine	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
4-Bromophenyl-phenylether	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Hexachlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-26-09	10-27-09	
Phenanthrene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Anthracene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Carbazole	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Di-n-butylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Fluoranthene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Benzidine	**ND**	0.38	EPA 8270	10-26-09	10-27-09	
Pyrene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Butylbenzylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
bis-2-Ethylhexyladipate	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
3,3'-Dichlorobenzidine	**ND**	0.38	EPA 8270	10-26-09	10-27-09	
Benzo[a]anthracene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Chrysene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Di-n-octylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Benzo[b]fluoranthene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[k]fluoranthene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[a]pyrene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Dibenz[a,h]anthracene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[g,h,i]perylene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*75*	*19 - 97*				
Phenol-d6	*70*	*22 - 108*				
Nitrobenzene-d5	*65*	*21 - 106*				
2-Fluorobiphenyl	*80*	*29 - 107*				
2,4,6-Tribromophenol	*109*	*44 - 121*				
Terphenyl-d14	*98*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-5 Wall-1009**					
Laboratory ID:	10-185-20					
N-Nitrosodimethylamine	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Pyridine	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Phenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Aniline	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethyl)ether	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2-Chlorophenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
1,3-Dichlorobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
1,4-Dichlorobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Benzyl alcohol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
1,2-Dichlorobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2-Methylphenol (o-Cresol)	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroisopropyl)ether	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
N-Nitroso-di-n-propylamine	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Hexachloroethane	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Nitrobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Isophorone	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2-Nitrophenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,4-Dimethylphenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethoxy)methane	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,4-Dichlorophenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
1,2,4-Trichlorobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Naphthalene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
4-Chloroaniline	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Hexachlorobutadiene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
4-Chloro-3-methylphenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2-Methylnaphthalene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
1-Methylnaphthalene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Hexachlorocyclopentadiene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,4,6-Trichlorophenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,3-Dichloroaniline	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,4,5-Trichlorophenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2-Chloronaphthalene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2-Nitroaniline	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
1,4-Dinitrobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Dimethylphthalate	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
1,3-Dinitrobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,6-Dinitrotoluene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
1,2-Dinitrobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Acenaphthylene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
3-Nitroaniline	**ND**	0.041	EPA 8270	10-26-09	10-27-09	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-5 Wall-1009**					
Laboratory ID:	10-185-20					
2,4-Dinitrophenol	**ND**	0.20	EPA 8270	10-26-09	10-27-09	
Acenaphthene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
4-Nitrophenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,4-Dinitrotoluene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Dibenzofuran	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Diethylphthalate	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
4-Chlorophenyl-phenylether	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
4-Nitroaniline	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Fluorene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
4,6-Dinitro-2-methylphenol	**ND**	0.20	EPA 8270	10-26-09	10-27-09	
N-Nitrosodiphenylamine	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
1,2-Diphenylhydrazine	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
4-Bromophenyl-phenylether	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Hexachlorobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Pentachlorophenol	**ND**	0.20	EPA 8270	10-26-09	10-27-09	
Phenanthrene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Anthracene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Carbazole	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Di-n-butylphthalate	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Fluoranthene	**0.017**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Benzidine	**ND**	0.41	EPA 8270	10-26-09	10-27-09	
Pyrene	**0.016**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Butylbenzylphthalate	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
bis-2-Ethylhexyladipate	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
3,3'-Dichlorobenzidine	**ND**	0.41	EPA 8270	10-26-09	10-27-09	
Benzo[a]anthracene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Chrysene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Di-n-octylphthalate	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Benzo[b]fluoranthene	**0.0088**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[k]fluoranthene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[a]pyrene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Dibenz[a,h]anthracene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[g,h,i]perylene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*81*	*19 - 97*				
Phenol-d6	*77*	*22 - 108*				
Nitrobenzene-d5	*68*	*21 - 106*				
2-Fluorobiphenyl	*83*	*29 - 107*				
2,4,6-Tribromophenol	*120*	*44 - 121*				
Terphenyl-d14	*99*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1026S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1026S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.33	EPA 8270	10-26-09	10-26-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*77*	*19 - 97*				
Phenol-d6	*71*	*22 - 108*				
Nitrobenzene-d5	*70*	*21 - 106*				
2-Fluorobiphenyl	*80*	*29 - 107*				
2,4,6-Tribromophenol	*116*	*44 - 121*				
Terphenyl-d14	*106*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-185-19										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**1.10**	**1.07**	1.33	1.33	ND	83	80	38 - 97	3	30	
2-Chlorophenol	**1.22**	**1.16**	1.33	1.33	ND	92	87	28 - 102	5	38	
1,4-Dichlorobenzene	**0.573**	**0.538**	0.667	0.667	ND	86	81	14 - 86	6	41	
N-Nitroso-di-n-propylamine	**0.494**	**0.474**	0.667	0.667	ND	74	71	25 - 104	4	39	
1,2,4-Trichlorobenzene	**0.608**	**0.574**	0.667	0.667	ND	91	86	23 - 93	6	37	
4-Chloro-3-methylphenol	**1.32**	**1.22**	1.33	1.33	ND	99	92	49 - 113	8	31	
Acenaphthene	**0.599**	**0.587**	0.667	0.667	ND	90	88	37 - 101	2	40	
4-Nitrophenol	**1.57**	**1.53**	1.33	1.33	ND	118	115	30 - 136	3	31	
2,4-Dinitrotoluene	**0.736**	**0.730**	0.667	0.667	ND	110	109	36 - 122	1	32	
Pentachlorophenol	**1.33**	**1.29**	1.33	1.33	ND	100	97	15 - 143	3	34	
Pyrene	**0.700**	**0.704**	0.667	0.667	ND	105	106	24 - 138	1	39	
Surrogate:											
2-Fluorophenol						*83*	*79*	*19 - 97*			
Phenol-d6						*76*	*72*	*22 - 108*			
Nitrobenzene-d5						*76*	*70*	*21 - 106*			
2-Fluorobiphenyl						*84*	*82*	*29 - 107*			
2,4,6-Tribromophenol						*120*	*117*	*44 - 121*			
Terphenyl-d14						*102*	*100*	*37 - 120*			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-GW-1009**					
Laboratory ID:	10-185-10					
N-Nitrosodimethylamine	**ND**	10	EPA 8270	10-26-09	10-28-09	
Pyridine	**ND**	100	EPA 8270	10-26-09	10-28-09	
Phenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
Aniline	**ND**	51	EPA 8270	10-26-09	10-28-09	
bis(2-Chloroethyl)ether	**ND**	10	EPA 8270	10-26-09	10-28-09	
2-Chlorophenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
1,3-Dichlorobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
1,4-Dichlorobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
Benzyl alcohol	**ND**	10	EPA 8270	10-26-09	10-28-09	
1,2-Dichlorobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
2-Methylphenol (o-Cresol)	**14**	10	EPA 8270	10-26-09	10-28-09	
bis(2-Chloroisopropyl)ether	**ND**	10	EPA 8270	10-26-09	10-28-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	10	EPA 8270	10-26-09	10-28-09	
N-Nitroso-di-n-propylamine	**ND**	10	EPA 8270	10-26-09	10-28-09	
Hexachloroethane	**ND**	10	EPA 8270	10-26-09	10-28-09	
Nitrobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
Isophorone	**ND**	10	EPA 8270	10-26-09	10-28-09	
2-Nitrophenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,4-Dimethylphenol	**12**	10	EPA 8270	10-26-09	10-28-09	
bis(2-Chloroethoxy)methane	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,4-Dichlorophenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
1,2,4-Trichlorobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
Naphthalene	**0.93**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
4-Chloroaniline	**ND**	100	EPA 8270	10-26-09	10-28-09	
Hexachlorobutadiene	**ND**	10	EPA 8270	10-26-09	10-28-09	
4-Chloro-3-methylphenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
2-Methylnaphthalene	**1.8**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
1-Methylnaphthalene	**ND**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
Hexachlorocyclopentadiene	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,4,6-Trichlorophenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,3-Dichloroaniline	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,4,5-Trichlorophenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
2-Chloronaphthalene	**ND**	10	EPA 8270	10-26-09	10-28-09	
2-Nitroaniline	**ND**	10	EPA 8270	10-26-09	10-28-09	
1,4-Dinitrobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
Dimethylphthalate	**32**	10	EPA 8270	10-26-09	10-28-09	
1,3-Dinitrobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,6-Dinitrotoluene	**ND**	10	EPA 8270	10-26-09	10-28-09	
1,2-Dinitrobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
Acenaphthylene	**ND**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
3-Nitroaniline	**ND**	10	EPA 8270	10-26-09	10-28-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-GW-1009**					
Laboratory ID:	10-185-10					
2,4-Dinitrophenol	**ND**	100	EPA 8270	10-26-09	10-28-09	
Acenaphthene	**ND**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
4-Nitrophenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,4-Dinitrotoluene	**ND**	10	EPA 8270	10-26-09	10-28-09	
Dibenzofuran	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,3,5,6-Tetrachlorophenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,3,4,6-Tetrachlorophenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
Diethylphthalate	**ND**	10	EPA 8270	10-26-09	10-28-09	
4-Chlorophenyl-phenylether	**ND**	10	EPA 8270	10-26-09	10-28-09	
4-Nitroaniline	**ND**	10	EPA 8270	10-26-09	10-28-09	
Fluorene	**ND**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
4,6-Dinitro-2-methylphenol	**ND**	51	EPA 8270	10-26-09	10-28-09	
N-Nitrosodiphenylamine	**ND**	100	EPA 8270	10-26-09	10-28-09	
1,2-Diphenylhydrazine	**ND**	10	EPA 8270	10-26-09	10-28-09	
4-Bromophenyl-phenylether	**ND**	10	EPA 8270	10-26-09	10-28-09	
Hexachlorobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
Pentachlorophenol	**ND**	51	EPA 8270	10-26-09	10-28-09	
Phenanthrene	**ND**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
Anthracene	**ND**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
Carbazole	**ND**	10	EPA 8270	10-26-09	10-28-09	
Di-n-butylphthalate	**ND**	10	EPA 8270	10-26-09	10-28-09	
Fluoranthene	**ND**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
Benzidine	**ND**	100	EPA 8270	10-26-09	10-28-09	
Pyrene	**ND**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
Butylbenzylphthalate	**ND**	10	EPA 8270	10-26-09	10-28-09	
bis-2-Ethylhexyladipate	**ND**	10	EPA 8270	10-26-09	10-28-09	
3,3'-Dichlorobenzidine	**ND**	100	EPA 8270	10-26-09	10-28-09	
Benzo[a]anthracene	**0.30**	0.051	EPA 8270/SIM	10-26-09	10-28-09	
Chrysene	**0.37**	0.051	EPA 8270/SIM	10-26-09	10-28-09	
bis(2-Ethylhexyl)phthalate	**ND**	10	EPA 8270	10-26-09	10-28-09	
Di-n-octylphthalate	**ND**	10	EPA 8270	10-26-09	10-28-09	
Benzo[b]fluoranthene	**0.65**	0.051	EPA 8270/SIM	10-26-09	10-28-09	
Benzo[k]fluoranthene	**0.20**	0.051	EPA 8270/SIM	10-26-09	10-28-09	
Benzo[a]pyrene	**0.37**	0.051	EPA 8270/SIM	10-26-09	10-28-09	
Indeno[1,2,3-cd]pyrene	**0.25**	0.051	EPA 8270/SIM	10-26-09	10-28-09	
Dibenz[a,h]anthracene	**0.12**	0.051	EPA 8270/SIM	10-26-09	10-28-09	
Benzo[g,h,i]perylene	**0.29**	0.051	EPA 8270/SIM	10-26-09	10-28-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*17*	*12 - 91*				
Phenol-d6	*45*	*10 - 102*				
Nitrobenzene-d5	*84*	*27 - 115*				
2-Fluorobiphenyl	*22*	*37 - 111*				Q
2,4,6-Tribromophenol	*86*	*48 - 121*				
Terphenyl-d14	*86*	*47 - 116*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1026W1					
N-Nitrosodimethylamine	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Pyridine	**ND**	10	EPA 8270	10-26-09	10-27-09	
Phenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Aniline	**ND**	5.0	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2-Chlorophenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Benzyl alcohol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
N-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Hexachloroethane	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Nitrobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Isophorone	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2-Nitrophenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Naphthalene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
4-Chloroaniline	**ND**	10	EPA 8270	10-26-09	10-27-09	
Hexachlorobutadiene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2-Chloronaphthalene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2-Nitroaniline	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Dimethylphthalate	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
3-Nitroaniline	**ND**	1.0	EPA 8270	10-26-09	10-27-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1026W1					
2,4-Dinitrophenol	**ND**	10	EPA 8270	10-26-09	10-27-09	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
4-Nitrophenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Dibenzofuran	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Diethylphthalate	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
4-Nitroaniline	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Fluorene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
4,6-Dinitro-2-methylphenol	**ND**	5.0	EPA 8270	10-26-09	10-27-09	
N-Nitrosodiphenylamine	**ND**	10	EPA 8270	10-26-09	10-27-09	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Hexachlorobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Pentachlorophenol	**ND**	5.0	EPA 8270	10-26-09	10-27-09	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
Anthracene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
Carbazole	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Di-n-butylphthalate	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
Benzidine	**ND**	10	EPA 8270	10-26-09	10-27-09	
Pyrene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
Butylbenzylphthalate	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
bis-2-Ethylhexyladipate	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
3,3'-Dichlorobenzidine	**ND**	10	EPA 8270	10-26-09	10-27-09	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	10-26-09	10-27-09	
Chrysene	**ND**	0.010	EPA 8270/SIM	10-26-09	10-27-09	
bis(2-Ethylhexyl)phthalate	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Di-n-octylphthalate	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	10-26-09	10-27-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270/SIM	10-26-09	10-27-09	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	10-26-09	10-27-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*52*	*12 - 91*				
Phenol-d6	*37*	*10 - 102*				
Nitrobenzene-d5	*68*	*27 - 115*				
2-Fluorobiphenyl	*74*	*37 - 111*				
2,4,6-Tribromophenol	*107*	*48 - 121*				
Terphenyl-d14	*87*	*47 - 116*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-185-10										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**23.9**	**24.2**	42.6	42.2	ND	56	57	27 - 116	1	27	
2-Chlorophenol	**42.1**	**42.1**	42.6	42.2	ND	99	100	30 - 120	0	27	
1,4-Dichlorobenzene	**19.6**	**19.7**	21.3	21.1	ND	92	93	27 - 95	1	33	
N-Nitroso-di-n-propylamine	**23.7**	**21.6**	21.3	21.1	ND	111	102	23 - 113	9	36	
1,2,4-Trichlorobenzene	**19.4**	**20.0**	21.3	21.1	ND	91	95	27 - 97	3	38	
4-Chloro-3-methylphenol	**31.5**	**32.4**	42.6	42.2	ND	74	77	41 - 133	3	13	
Acenaphthene	**21.1**	**19.8**	21.3	21.1	ND	99	94	41 - 115	6	14	
4-Nitrophenol	**25.9**	**22.0**	42.6	42.2	ND	61	52	18 - 140	16	39	
2,4-Dinitrotoluene	**17.6**	**18.8**	21.3	21.1	ND	83	89	33 - 135	7	18	
Pentachlorophenol	**53.8**	**43.6**	42.6	42.2	ND	126	103	25 - 151	23	37	
Pyrene	**20.5**	**19.6**	21.3	21.1	ND	96	93	62 - 118	4	16	
Surrogate:											
2-Fluorophenol						*17*	*16*	*12 - 91*			
Phenol-d6						*48*	*48*	*10 - 102*			
Nitrobenzene-d5						*84*	*84*	*27 - 115*			
2-Fluorobiphenyl						*23*	*23*	*37 - 111*			Q
2,4,6-Tribromophenol						*109*	*106*	*48 - 121*			
Terphenyl-d14						*90*	*88*	*47 - 116*			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 10-23-09
Date Analyzed: 10-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-13
Client ID: PCS-1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.060
Chloromethane	ND		0.30
Vinyl Chloride	ND		0.060
Bromomethane	ND		0.060
Chloroethane	ND		0.30
Trichlorofluoromethane	ND		0.060
1,1-Dichloroethene	ND		0.060
Acetone	ND		0.30
Iodomethane	ND		0.30
Carbon Disulfide	ND		0.060
Methylene Chloride	ND		0.30
(trans) 1,2-Dichloroethene	ND		0.060
Methyl t-Butyl Ether	ND		0.060
1,1-Dichloroethane	ND		0.060
Vinyl Acetate	ND		0.30
2,2-Dichloropropane	ND		0.060
(cis) 1,2-Dichloroethene	ND		0.060
2-Butanone	ND		0.30
Bromochloromethane	ND		0.060
Chloroform	ND		0.060
1,1,1-Trichloroethane	ND		0.060
Carbon Tetrachloride	ND		0.060
1,1-Dichloropropene	ND		0.060
Benzene	ND		0.060
1,2-Dichloroethane	ND		0.060
Trichloroethene	ND		0.060
1,2-Dichloropropane	ND		0.060
Dibromomethane	ND		0.060
Bromodichloromethane	ND		0.060
2-Chloroethyl Vinyl Ether	ND		0.30
(cis) 1,3-Dichloropropene	ND		0.060
Methyl Isobutyl Ketone	ND		0.30
Toluene	ND		0.30
(trans) 1,3-Dichloropropene	ND		0.060

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

VOLATILES by EPA 8260B
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Lab ID: 10-185-13
Client ID: PCS-1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.060
Tetrachloroethene	ND		0.060
1,3-Dichloropropane	ND		0.060
2-Hexanone	ND		0.30
Dibromochloromethane	ND		0.060
1,2-Dibromoethane	ND		0.060
Chlorobenzene	ND		0.060
1,1,1,2-Tetrachloroethane	ND		0.060
Ethylbenzene	0.066		0.060
m,p-Xylene	0.37		0.12
o-Xylene	0.092		0.060
Styrene	ND		0.060
Bromoform	ND		0.060
Isopropylbenzene	ND		0.060
Bromobenzene	ND		0.060
1,1,2,2-Tetrachloroethane	ND		0.060
1,2,3-Trichloropropane	ND		0.060
n-Propylbenzene	ND		0.060
2-Chlorotoluene	ND		0.060
4-Chlorotoluene	ND		0.060
1,3,5-Trimethylbenzene	ND		0.060
tert-Butylbenzene	ND		0.060
1,2,4-Trimethylbenzene	0.090		0.060
sec-Butylbenzene	ND		0.060
1,3-Dichlorobenzene	ND		0.060
p-Isopropyltoluene	ND		0.060
1,4-Dichlorobenzene	ND		0.060
1,2-Dichlorobenzene	ND		0.060
n-Butylbenzene	ND		0.060
1,2-Dibromo-3-chloropropane	ND		0.30
1,2,4-Trichlorobenzene	ND		0.060
Hexachlorobutadiene	ND		0.30
Naphthalene	ND		0.060
1,2,3-Trichlorobenzene	ND		0.060

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	97	55-125
Toluene-d8	93	56-127
4-Bromofluorobenzene	91	54-130

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted: 10-23-09
Date Analyzed: 10-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1023S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Laboratory Reference: 0910-185
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Lab ID: MB1023S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	110	55-125
Toluene-d8	99	56-127
4-Bromofluorobenzene	87	54-130

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Samples Submitted: October 23, 2009
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VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 10-23-09
Date Analyzed: 10-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1023S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0611	122	0.0605	121	70-130	
Benzene	0.0500	0.0492	98	0.0494	99	70-128	
Trichloroethene	0.0500	0.0457	91	0.0494	99	70-124	
Toluene	0.0500	0.0488	98	0.0504	101	73-123	
Chlorobenzene	0.0500	0.0485	97	0.0483	97	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	1	16	
Benzene	0	15	
Trichloroethene	8	14	
Toluene	3	14	
Chlorobenzene	0	13	

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Date Extracted: 10-23-09
Date Analyzed: 10-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-05
Client ID: Stockpile-P1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.00099
Chloromethane	ND		0.0049
Vinyl Chloride	ND		0.00099
Bromomethane	ND		0.00099
Chloroethane	ND		0.0049
Trichlorofluoromethane	ND		0.00099
1,1-Dichloroethene	ND		0.00099
Acetone	ND		0.0049
Iodomethane	ND		0.0049
Carbon Disulfide	ND		0.00099
Methylene Chloride	ND		0.0049
(trans) 1,2-Dichloroethene	ND		0.00099
Methyl t-Butyl Ether	ND		0.00099
1,1-Dichloroethane	ND		0.00099
Vinyl Acetate	ND		0.0049
2,2-Dichloropropane	ND		0.00099
(cis) 1,2-Dichloroethene	ND		0.00099
2-Butanone	ND		0.0049
Bromochloromethane	ND		0.00099
Chloroform	ND		0.00099
1,1,1-Trichloroethane	ND		0.00099
Carbon Tetrachloride	ND		0.00099
1,1-Dichloropropene	ND		0.00099
Benzene	ND		0.00099
1,2-Dichloroethane	ND		0.00099
Trichloroethene	ND		0.00099
1,2-Dichloropropane	ND		0.00099
Dibromomethane	ND		0.00099
Bromodichloromethane	ND		0.00099
2-Chloroethyl Vinyl Ether	ND		0.0049
(cis) 1,3-Dichloropropene	ND		0.00099
Methyl Isobutyl Ketone	ND		0.0049
Toluene	ND		0.0049
(trans) 1,3-Dichloropropene	ND		0.00099

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Lab ID: 10-185-05
Client ID: Stockpile-P1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.00099
Tetrachloroethene	ND		0.00099
1,3-Dichloropropane	ND		0.00099
2-Hexanone	ND		0.0049
Dibromochloromethane	ND		0.00099
1,2-Dibromoethane	ND		0.00099
Chlorobenzene	ND		0.00099
1,1,1,2-Tetrachloroethane	ND		0.00099
Ethylbenzene	ND		0.00099
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.00099
Styrene	ND		0.00099
Bromoform	ND		0.00099
Isopropylbenzene	ND		0.00099
Bromobenzene	ND		0.00099
1,1,2,2-Tetrachloroethane	ND		0.00099
1,2,3-Trichloropropane	ND		0.00099
n-Propylbenzene	ND		0.00099
2-Chlorotoluene	ND		0.00099
4-Chlorotoluene	ND		0.00099
1,3,5-Trimethylbenzene	ND		0.00099
tert-Butylbenzene	ND		0.00099
1,2,4-Trimethylbenzene	ND		0.00099
sec-Butylbenzene	ND		0.00099
1,3-Dichlorobenzene	ND		0.00099
p-Isopropyltoluene	ND		0.00099
1,4-Dichlorobenzene	ND		0.00099
1,2-Dichlorobenzene	ND		0.00099
n-Butylbenzene	ND		0.00099
1,2-Dibromo-3-chloropropane	ND		0.0049
1,2,4-Trichlorobenzene	ND		0.00099
Hexachlorobutadiene	ND		0.0049
Naphthalene	ND		0.00099
1,2,3-Trichlorobenzene	ND		0.00099

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	103	55-125
Toluene-d8	106	56-127
4-Bromofluorobenzene	89	54-130

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Date Extracted: 10-23-09
Date Analyzed: 10-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-07
Client ID: Stockpile-P2

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0013
Chloromethane	ND		0.0063
Vinyl Chloride	ND		0.0013
Bromomethane	ND		0.0013
Chloroethane	ND		0.0063
Trichlorofluoromethane	ND		0.0013
1,1-Dichloroethene	ND		0.0013
Acetone	ND		0.0063
Iodomethane	ND		0.0063
Carbon Disulfide	ND		0.0013
Methylene Chloride	ND		0.0063
(trans) 1,2-Dichloroethene	ND		0.0013
Methyl t-Butyl Ether	ND		0.0013
1,1-Dichloroethane	ND		0.0013
Vinyl Acetate	ND		0.0063
2,2-Dichloropropane	ND		0.0013
(cis) 1,2-Dichloroethene	ND		0.0013
2-Butanone	ND		0.0063
Bromochloromethane	ND		0.0013
Chloroform	ND		0.0013
1,1,1-Trichloroethane	ND		0.0013
Carbon Tetrachloride	ND		0.0013
1,1-Dichloropropene	ND		0.0013
Benzene	ND		0.0013
1,2-Dichloroethane	ND		0.0013
Trichloroethene	ND		0.0013
1,2-Dichloropropane	ND		0.0013
Dibromomethane	ND		0.0013
Bromodichloromethane	ND		0.0013
2-Chloroethyl Vinyl Ether	ND		0.0063
(cis) 1,3-Dichloropropene	ND		0.0013
Methyl Isobutyl Ketone	ND		0.0063
Toluene	ND		0.0063
(trans) 1,3-Dichloropropene	ND		0.0013

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Project: 14697

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Lab ID: 10-185-07
Client ID: Stockpile-P2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0013
Tetrachloroethene	ND		0.0013
1,3-Dichloropropane	ND		0.0013
2-Hexanone	ND		0.0063
Dibromochloromethane	ND		0.0013
1,2-Dibromoethane	ND		0.0013
Chlorobenzene	ND		0.0013
1,1,1,2-Tetrachloroethane	ND		0.0013
Ethylbenzene	0.0016		0.0013
m,p-Xylene	0.0082		0.0025
o-Xylene	0.0018		0.0013
Styrene	ND		0.0013
Bromoform	ND		0.0013
Isopropylbenzene	ND		0.0013
Bromobenzene	ND		0.0013
1,1,2,2-Tetrachloroethane	ND		0.0013
1,2,3-Trichloropropane	ND		0.0013
n-Propylbenzene	ND		0.0013
2-Chlorotoluene	ND		0.0013
4-Chlorotoluene	ND		0.0013
1,3,5-Trimethylbenzene	ND		0.0013
tert-Butylbenzene	ND		0.0013
1,2,4-Trimethylbenzene	ND		0.0013
sec-Butylbenzene	ND		0.0013
1,3-Dichlorobenzene	ND		0.0013
p-Isopropyltoluene	ND		0.0013
1,4-Dichlorobenzene	ND		0.0013
1,2-Dichlorobenzene	ND		0.0013
n-Butylbenzene	ND		0.0013
1,2-Dibromo-3-chloropropane	ND		0.0063
1,2,4-Trichlorobenzene	ND		0.0013
Hexachlorobutadiene	ND		0.0063
Naphthalene	ND		0.0013
1,2,3-Trichlorobenzene	ND		0.0013

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	97	55-125
Toluene-d8	90	56-127
4-Bromofluorobenzene	76	54-130

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Date Extracted: 10-23-09
Date Analyzed: 10-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-11
Client ID: Stockpile-P3

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0052
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0052
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0052
Iodomethane	ND		0.0052
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0052
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0052
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0052
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0052
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0052
Toluene	0.21		0.0052
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: 10-185-11
Client ID: Stockpile-P3

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0052
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	0.0028		0.0021
o-Xylene	0.0011		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0052
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0052
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	109	55-125
Toluene-d8	104	56-127
4-Bromofluorobenzene	88	54-130

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Date Extracted: 10-27-09
Date Analyzed: 10-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-18
Client ID: Stockpile-P4

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0013
Chloromethane	ND		0.0064
Vinyl Chloride	ND		0.0013
Bromomethane	ND		0.0013
Chloroethane	ND		0.0064
Trichlorofluoromethane	ND		0.0013
1,1-Dichloroethene	ND		0.0013
Acetone	ND		0.0064
Iodomethane	ND		0.0064
Carbon Disulfide	ND		0.0013
Methylene Chloride	ND		0.0064
(trans) 1,2-Dichloroethene	ND		0.0013
Methyl t-Butyl Ether	ND		0.0013
1,1-Dichloroethane	ND		0.0013
Vinyl Acetate	ND		0.0064
2,2-Dichloropropane	ND		0.0013
(cis) 1,2-Dichloroethene	ND		0.0013
2-Butanone	ND		0.0064
Bromochloromethane	ND		0.0013
Chloroform	ND		0.0013
1,1,1-Trichloroethane	ND		0.0013
Carbon Tetrachloride	ND		0.0013
1,1-Dichloropropene	ND		0.0013
Benzene	ND		0.0013
1,2-Dichloroethane	ND		0.0013
Trichloroethene	ND		0.0013
1,2-Dichloropropane	ND		0.0013
Dibromomethane	ND		0.0013
Bromodichloromethane	ND		0.0013
2-Chloroethyl Vinyl Ether	ND		0.0064
(cis) 1,3-Dichloropropene	ND		0.0013
Methyl Isobutyl Ketone	ND		0.0064
Toluene	ND		0.0064
(trans) 1,3-Dichloropropene	ND		0.0013

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Lab ID: 10-185-18
Client ID: Stockpile-P4

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0013
Tetrachloroethene	ND		0.0013
1,3-Dichloropropane	ND		0.0013
2-Hexanone	ND		0.0064
Dibromochloromethane	ND		0.0013
1,2-Dibromoethane	ND		0.0013
Chlorobenzene	ND		0.0013
1,1,1,2-Tetrachloroethane	ND		0.0013
Ethylbenzene	ND		0.0013
m,p-Xylene	ND		0.0025
o-Xylene	ND		0.0013
Styrene	ND		0.0013
Bromoform	ND		0.0013
Isopropylbenzene	ND		0.0013
Bromobenzene	ND		0.0013
1,1,2,2-Tetrachloroethane	ND		0.0013
1,2,3-Trichloropropane	ND		0.0013
n-Propylbenzene	ND		0.0013
2-Chlorotoluene	ND		0.0013
4-Chlorotoluene	ND		0.0013
1,3,5-Trimethylbenzene	ND		0.0013
tert-Butylbenzene	ND		0.0013
1,2,4-Trimethylbenzene	ND		0.0013
sec-Butylbenzene	ND		0.0013
1,3-Dichlorobenzene	ND		0.0013
p-Isopropyltoluene	ND		0.0013
1,4-Dichlorobenzene	ND		0.0013
1,2-Dichlorobenzene	ND		0.0013
n-Butylbenzene	ND		0.0013
1,2-Dibromo-3-chloropropane	ND		0.0064
1,2,4-Trichlorobenzene	ND		0.0013
Hexachlorobutadiene	ND		0.0064
Naphthalene	ND		0.0013
1,2,3-Trichlorobenzene	ND		0.0013

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	96	55-125
Toluene-d8	92	56-127
4-Bromofluorobenzene	91	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

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Date Extracted: 10-27-09
Date Analyzed: 10-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-19
Client ID: Stockpile-P5

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0057
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0057
Trichlorofluoromethane	ND		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	ND		0.0057
Iodomethane	ND		0.0057
Carbon Disulfide	ND		0.0011
Methylene Chloride	ND		0.0057
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0057
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	ND		0.0057
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0057
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	ND		0.0057
Toluene	ND		0.0057
(trans) 1,3-Dichloropropene	ND		0.0011

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Lab ID: 10-185-19
Client ID: Stockpile-P5

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	ND		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0057
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	ND		0.0011
m,p-Xylene	ND		0.0023
o-Xylene	ND		0.0011
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	ND		0.0011
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	ND		0.0011
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	ND		0.0011
tert-Butylbenzene	ND		0.0011
1,2,4-Trimethylbenzene	ND		0.0011
sec-Butylbenzene	ND		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	ND		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	ND		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0057
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0057
Naphthalene	ND		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	97	55-125
Toluene-d8	90	56-127
4-Bromofluorobenzene	87	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
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Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted: 10-23-09
Date Analyzed: 10-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1023S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Lab ID: MB1023S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	110	55-125
Toluene-d8	99	56-127
4-Bromofluorobenzene	87	54-130

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Date Extracted: 10-27-09
Date Analyzed: 10-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1027S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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METHOD BLANK QUALITY CONTROL
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Lab ID: MB1027S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	93	55-125
Toluene-d8	93	56-127
4-Bromofluorobenzene	86	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
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Laboratory Reference: 0910-185
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VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 10-23-09
Date Analyzed: 10-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1023S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0611	122	0.0605	121	70-130	
Benzene	0.0500	0.0492	98	0.0494	99	70-128	
Trichloroethene	0.0500	0.0457	91	0.0494	99	70-124	
Toluene	0.0500	0.0488	98	0.0504	101	73-123	
Chlorobenzene	0.0500	0.0485	97	0.0483	97	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	1	16	
Benzene	0	15	
Trichloroethene	8	14	
Toluene	3	14	
Chlorobenzene	0	13	

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Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 10-27-09
Date Analyzed: 10-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1027S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0494	99	0.0488	98	70-130	
Benzene	0.0500	0.0416	83	0.0409	82	70-128	
Trichloroethene	0.0500	0.0425	85	0.0425	85	70-124	
Toluene	0.0500	0.0436	87	0.0431	86	73-123	
Chlorobenzene	0.0500	0.0503	101	0.0497	99	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	1	16	
Benzene	2	15	
Trichloroethene	0	14	
Toluene	1	14	
Chlorobenzene	1	13	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-01
Client ID: Tank3-B-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.00096
Chloromethane	ND		0.0048
Vinyl Chloride	ND		0.00096
Bromomethane	ND		0.00096
Chloroethane	ND		0.0048
Trichlorofluoromethane	ND		0.00096
1,1-Dichloroethene	ND		0.00096
Acetone	0.014		0.0048
Iodomethane	ND		0.0048
Carbon Disulfide	ND		0.00096
Methylene Chloride	ND		0.0048
(trans) 1,2-Dichloroethene	ND		0.00096
Methyl t-Butyl Ether	ND		0.00096
1,1-Dichloroethane	ND		0.00096
Vinyl Acetate	ND		0.0048
2,2-Dichloropropane	ND		0.00096
(cis) 1,2-Dichloroethene	ND		0.00096
2-Butanone	ND		0.0048
Bromochloromethane	ND		0.00096
Chloroform	ND		0.00096
1,1,1-Trichloroethane	ND		0.00096
Carbon Tetrachloride	ND		0.00096
1,1-Dichloropropene	ND		0.00096
Benzene	ND		0.00096
1,2-Dichloroethane	ND		0.00096
Trichloroethene	ND		0.00096
1,2-Dichloropropane	ND		0.00096
Dibromomethane	ND		0.00096
Bromodichloromethane	ND		0.00096
2-Chloroethyl Vinyl Ether	ND		0.0048
(cis) 1,3-Dichloropropene	ND		0.00096
Methyl Isobutyl Ketone	ND		0.0048
Toluene	ND		0.0048
(trans) 1,3-Dichloropropene	ND		0.00096

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
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Project: 14697

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Lab ID: 10-185-01
Client ID: Tank3-B-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.00096
Tetrachloroethene	ND		0.00096
1,3-Dichloropropane	ND		0.00096
2-Hexanone	ND		0.0048
Dibromochloromethane	ND		0.00096
1,2-Dibromoethane	ND		0.00096
Chlorobenzene	ND		0.00096
1,1,1,2-Tetrachloroethane	ND		0.00096
Ethylbenzene	0.019		0.00096
m,p-Xylene	0.089		0.0019
o-Xylene	0.032		0.00096
Styrene	ND		0.00096
Bromoform	ND		0.00096
Isopropylbenzene	ND		0.00096
Bromobenzene	ND		0.00096
1,1,2,2-Tetrachloroethane	ND		0.00096
1,2,3-Trichloropropane	ND		0.00096
n-Propylbenzene	ND		0.00096
2-Chlorotoluene	ND		0.00096
4-Chlorotoluene	ND		0.00096
1,3,5-Trimethylbenzene	ND		0.00096
tert-Butylbenzene	ND		0.00096
1,2,4-Trimethylbenzene	ND		0.00096
sec-Butylbenzene	ND		0.00096
1,3-Dichlorobenzene	ND		0.00096
p-Isopropyltoluene	ND		0.00096
1,4-Dichlorobenzene	ND		0.00096
1,2-Dichlorobenzene	ND		0.00096
n-Butylbenzene	ND		0.00096
1,2-Dibromo-3-chloropropane	ND		0.0048
1,2,4-Trichlorobenzene	ND		0.00096
Hexachlorobutadiene	ND		0.0048
Naphthalene	ND		0.00096
1,2,3-Trichlorobenzene	ND		0.00096

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	96	55-125
Toluene-d8	86	56-127
4-Bromofluorobenzene	89	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-02
Client ID: Product-W1 Wall-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.055
Chloromethane	ND		0.28
Vinyl Chloride	ND		0.055
Bromomethane	ND		0.055
Chloroethane	ND		0.28
Trichlorofluoromethane	ND		0.055
1,1-Dichloroethene	ND		0.055
Acetone	ND		0.28
Iodomethane	ND		0.28
Carbon Disulfide	ND		0.055
Methylene Chloride	ND		0.28
(trans) 1,2-Dichloroethene	ND		0.055
Methyl t-Butyl Ether	ND		0.055
1,1-Dichloroethane	ND		0.055
Vinyl Acetate	ND		0.28
2,2-Dichloropropane	ND		0.055
(cis) 1,2-Dichloroethene	ND		0.055
2-Butanone	ND		0.28
Bromochloromethane	ND		0.055
Chloroform	ND		0.055
1,1,1-Trichloroethane	ND		0.055
Carbon Tetrachloride	ND		0.055
1,1-Dichloropropene	ND		0.055
Benzene	ND		0.055
1,2-Dichloroethane	ND		0.055
Trichloroethene	ND		0.055
1,2-Dichloropropane	ND		0.055
Dibromomethane	ND		0.055
Bromodichloromethane	ND		0.055
2-Chloroethyl Vinyl Ether	ND		0.28
(cis) 1,3-Dichloropropene	ND		0.055
Methyl Isobutyl Ketone	ND		0.28
Toluene	ND		0.28
(trans) 1,3-Dichloropropene	ND		0.055

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Lab ID: 10-185-02
Client ID: Product-W1 Wall-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.055
Tetrachloroethene	ND		0.055
1,3-Dichloropropane	ND		0.055
2-Hexanone	ND		0.28
Dibromochloromethane	ND		0.055
1,2-Dibromoethane	ND		0.055
Chlorobenzene	ND		0.055
1,1,1,2-Tetrachloroethane	ND		0.055
Ethylbenzene	0.23		0.055
m,p-Xylene	0.98		0.11
o-Xylene	0.35		0.055
Styrene	ND		0.055
Bromoform	ND		0.055
Isopropylbenzene	ND		0.055
Bromobenzene	ND		0.055
1,1,2,2-Tetrachloroethane	ND		0.055
1,2,3-Trichloropropane	ND		0.055
n-Propylbenzene	0.086		0.055
2-Chlorotoluene	ND		0.055
4-Chlorotoluene	ND		0.055
1,3,5-Trimethylbenzene	ND		0.055
tert-Butylbenzene	ND		0.055
1,2,4-Trimethylbenzene	0.10		0.055
sec-Butylbenzene	ND		0.055
1,3-Dichlorobenzene	ND		0.055
p-Isopropyltoluene	ND		0.055
1,4-Dichlorobenzene	ND		0.055
1,2-Dichlorobenzene	ND		0.055
n-Butylbenzene	0.081		0.055
1,2-Dibromo-3-chloropropane	ND		0.28
1,2,4-Trichlorobenzene	ND		0.055
Hexachlorobutadiene	ND		0.28
Naphthalene	ND		0.055
1,2,3-Trichlorobenzene	ND		0.055

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	80	55-125
Toluene-d8	81	56-127
4-Bromofluorobenzene	84	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-03
Client ID: Tank4-B-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0052
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0052
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	0.043		0.0052
Iodomethane	ND		0.0052
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0052
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0052
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	0.011		0.0052
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0052
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0052
Toluene	0.016		0.0052
(trans) 1,3-Dichloropropene	ND		0.0010

This report pertains to the samples analyzed in accordance with the chain of custody,
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Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
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Lab ID: 10-185-03
Client ID: Tank4-B-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0052
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	0.0011		0.0010
m,p-Xylene	0.0043		0.0021
o-Xylene	0.0020		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	0.0017		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	0.0012		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0052
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0052
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	88	55-125
Toluene-d8	90	56-127
4-Bromofluorobenzene	95	54-130

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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-04
Client ID: Tank5-B-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0054
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0054
Trichlorofluoromethane	ND		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	0.016		0.0054
Iodomethane	ND		0.0054
Carbon Disulfide	ND		0.0011
Methylene Chloride	ND		0.0054
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0054
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	ND		0.0054
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0054
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	ND		0.0054
Toluene	0.030		0.0054
(trans) 1,3-Dichloropropene	ND		0.0011

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Lab ID: 10-185-04
Client ID: Tank5-B-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	ND		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0054
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	0.0012		0.0011
m,p-Xylene	0.0050		0.0021
o-Xylene	0.0017		0.0011
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	ND		0.0011
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	ND		0.0011
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	ND		0.0011
tert-Butylbenzene	ND		0.0011
1,2,4-Trimethylbenzene	ND		0.0011
sec-Butylbenzene	ND		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	ND		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	ND		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0054
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0054
Naphthalene	ND		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	96	55-125
Toluene-d8	92	56-127
4-Bromofluorobenzene	94	54-130

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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-06
Client ID: Tank6-B-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.055
Chloromethane	ND		0.28
Vinyl Chloride	ND		0.055
Bromomethane	ND		0.055
Chloroethane	ND		0.28
Trichlorofluoromethane	ND		0.055
1,1-Dichloroethene	ND		0.055
Acetone	ND		0.28
Iodomethane	ND		0.28
Carbon Disulfide	ND		0.055
Methylene Chloride	ND		0.28
(trans) 1,2-Dichloroethene	ND		0.055
Methyl t-Butyl Ether	ND		0.055
1,1-Dichloroethane	ND		0.055
Vinyl Acetate	ND		0.28
2,2-Dichloropropane	ND		0.055
(cis) 1,2-Dichloroethene	ND		0.055
2-Butanone	ND		0.28
Bromochloromethane	ND		0.055
Chloroform	ND		0.055
1,1,1-Trichloroethane	ND		0.055
Carbon Tetrachloride	ND		0.055
1,1-Dichloropropene	ND		0.055
Benzene	ND		0.055
1,2-Dichloroethane	ND		0.055
Trichloroethene	ND		0.055
1,2-Dichloropropane	ND		0.055
Dibromomethane	ND		0.055
Bromodichloromethane	ND		0.055
2-Chloroethyl Vinyl Ether	ND		0.28
(cis) 1,3-Dichloropropene	ND		0.055
Methyl Isobutyl Ketone	ND		0.28
Toluene	0.30		0.28
(trans) 1,3-Dichloropropene	ND		0.055

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Lab ID: 10-185-06
Client ID: Tank6-B-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.055
Tetrachloroethene	ND		0.055
1,3-Dichloropropane	ND		0.055
2-Hexanone	ND		0.28
Dibromochloromethane	ND		0.055
1,2-Dibromoethane	ND		0.055
Chlorobenzene	ND		0.055
1,1,1,2-Tetrachloroethane	ND		0.055
Ethylbenzene	0.083		0.055
m,p-Xylene	0.28		0.11
o-Xylene	ND		0.055
Styrene	ND		0.055
Bromoform	ND		0.055
Isopropylbenzene	0.073		0.055
Bromobenzene	ND		0.055
1,1,2,2-Tetrachloroethane	ND		0.055
1,2,3-Trichloropropane	ND		0.055
n-Propylbenzene	0.13		0.055
2-Chlorotoluene	ND		0.055
4-Chlorotoluene	ND		0.055
1,3,5-Trimethylbenzene	ND		0.055
tert-Butylbenzene	ND		0.055
1,2,4-Trimethylbenzene	ND		0.055
sec-Butylbenzene	ND		0.055
1,3-Dichlorobenzene	ND		0.055
p-Isopropyltoluene	ND		0.055
1,4-Dichlorobenzene	ND		0.055
1,2-Dichlorobenzene	ND		0.055
n-Butylbenzene	ND		0.055
1,2-Dibromo-3-chloropropane	ND		0.28
1,2,4-Trichlorobenzene	ND		0.055
Hexachlorobutadiene	ND		0.28
Naphthalene	ND		0.055
1,2,3-Trichlorobenzene	ND		0.055

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	82	55-125
Toluene-d8	84	56-127
4-Bromofluorobenzene	88	54-130

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Date Extracted: 10-29&30-09
Date Analyzed: 10-29&30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-08
Client ID: Tank7-B-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.00093
Chloromethane	ND		0.0046
Vinyl Chloride	ND		0.00093
Bromomethane	ND		0.00093
Chloroethane	ND		0.0046
Trichlorofluoromethane	ND		0.00093
1,1-Dichloroethene	ND		0.00093
Acetone	3.5		0.28
Iodomethane	ND		0.0046
Carbon Disulfide	ND		0.00093
Methylene Chloride	ND		0.0046
(trans) 1,2-Dichloroethene	ND		0.00093
Methyl t-Butyl Ether	ND		0.00093
1,1-Dichloroethane	ND		0.00093
Vinyl Acetate	ND		0.0046
2,2-Dichloropropane	ND		0.00093
(cis) 1,2-Dichloroethene	ND		0.00093
2-Butanone	ND		0.0046
Bromochloromethane	ND		0.00093
Chloroform	ND		0.00093
1,1,1-Trichloroethane	ND		0.00093
Carbon Tetrachloride	ND		0.00093
1,1-Dichloropropene	ND		0.00093
Benzene	ND		0.00093
1,2-Dichloroethane	ND		0.00093
Trichloroethene	ND		0.00093
1,2-Dichloropropane	ND		0.00093
Dibromomethane	ND		0.00093
Bromodichloromethane	ND		0.00093
2-Chloroethyl Vinyl Ether	ND		0.0046
(cis) 1,3-Dichloropropene	ND		0.00093
Methyl Isobutyl Ketone	ND		0.0046
Toluene	ND		0.0046
(trans) 1,3-Dichloropropene	ND		0.00093

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Lab ID: 10-185-08
Client ID: Tank7-B-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.00093
Tetrachloroethene	ND		0.00093
1,3-Dichloropropane	ND		0.00093
2-Hexanone	ND		0.0046
Dibromochloromethane	ND		0.00093
1,2-Dibromoethane	ND		0.00093
Chlorobenzene	ND		0.00093
1,1,1,2-Tetrachloroethane	ND		0.00093
Ethylbenzene	ND		0.00093
m,p-Xylene	ND		0.0019
o-Xylene	ND		0.00093
Styrene	ND		0.00093
Bromoform	ND		0.00093
Isopropylbenzene	ND		0.00093
Bromobenzene	ND		0.00093
1,1,2,2-Tetrachloroethane	ND		0.00093
1,2,3-Trichloropropane	ND		0.00093
n-Propylbenzene	ND		0.00093
2-Chlorotoluene	ND		0.00093
4-Chlorotoluene	ND		0.00093
1,3,5-Trimethylbenzene	ND		0.00093
tert-Butylbenzene	ND		0.00093
1,2,4-Trimethylbenzene	ND		0.00093
sec-Butylbenzene	ND		0.00093
1,3-Dichlorobenzene	ND		0.00093
p-Isopropyltoluene	ND		0.00093
1,4-Dichlorobenzene	ND		0.00093
1,2-Dichlorobenzene	ND		0.00093
n-Butylbenzene	ND		0.00093
1,2-Dibromo-3-chloropropane	ND		0.0046
1,2,4-Trichlorobenzene	ND		0.00093
Hexachlorobutadiene	ND		0.0046
Naphthalene	ND		0.00093
1,2,3-Trichlorobenzene	ND		0.00093

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	87	55-125
Toluene-d8	88	56-127
4-Bromofluorobenzene	87	54-130

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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-09
Client ID: Product-W2 Wall-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.057
Chloromethane	ND		0.29
Vinyl Chloride	ND		0.057
Bromomethane	ND		0.057
Chloroethane	ND		0.29
Trichlorofluoromethane	ND		0.057
1,1-Dichloroethene	ND		0.057
Acetone	0.51		0.29
Iodomethane	ND		0.29
Carbon Disulfide	ND		0.057
Methylene Chloride	ND		0.29
(trans) 1,2-Dichloroethene	ND		0.057
Methyl t-Butyl Ether	ND		0.057
1,1-Dichloroethane	ND		0.057
Vinyl Acetate	ND		0.29
2,2-Dichloropropane	ND		0.057
(cis) 1,2-Dichloroethene	ND		0.057
2-Butanone	ND		0.29
Bromochloromethane	ND		0.057
Chloroform	ND		0.057
1,1,1-Trichloroethane	ND		0.057
Carbon Tetrachloride	ND		0.057
1,1-Dichloropropene	ND		0.057
Benzene	ND		0.057
1,2-Dichloroethane	ND		0.057
Trichloroethene	ND		0.057
1,2-Dichloropropane	ND		0.057
Dibromomethane	ND		0.057
Bromodichloromethane	ND		0.057
2-Chloroethyl Vinyl Ether	ND		0.29
(cis) 1,3-Dichloropropene	ND		0.057
Methyl Isobutyl Ketone	ND		0.29
Toluene	ND		0.29
(trans) 1,3-Dichloropropene	ND		0.057

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Lab ID: 10-185-09
Client ID: Product-W2 Wall-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.057
Tetrachloroethene	ND		0.057
1,3-Dichloropropane	ND		0.057
2-Hexanone	ND		0.29
Dibromochloromethane	ND		0.057
1,2-Dibromoethane	ND		0.057
Chlorobenzene	ND		0.057
1,1,1,2-Tetrachloroethane	ND		0.057
Ethylbenzene	0.082		0.057
m,p-Xylene	1.4		0.11
o-Xylene	0.51		0.057
Styrene	ND		0.057
Bromoform	ND		0.057
Isopropylbenzene	0.19		0.057
Bromobenzene	ND		0.057
1,1,2,2-Tetrachloroethane	ND		0.057
1,2,3-Trichloropropane	ND		0.057
n-Propylbenzene	0.18		0.057
2-Chlorotoluene	ND		0.057
4-Chlorotoluene	ND		0.057
1,3,5-Trimethylbenzene	ND		0.057
tert-Butylbenzene	ND		0.057
1,2,4-Trimethylbenzene	ND		0.057
sec-Butylbenzene	0.24		0.057
1,3-Dichlorobenzene	ND		0.057
p-Isopropyltoluene	ND		0.057
1,4-Dichlorobenzene	ND		0.057
1,2-Dichlorobenzene	ND		0.057
n-Butylbenzene	0.19		0.057
1,2-Dibromo-3-chloropropane	ND		0.29
1,2,4-Trichlorobenzene	ND		0.057
Hexachlorobutadiene	ND		0.29
Naphthalene	ND		0.057
1,2,3-Trichlorobenzene	ND		0.057

Surrogate	Percent Recovery		Control Limits
Dibromofluoromethane	84		55-125
Toluene-d8	84		56-127
4-Bromofluorobenzene	158	Q	54-130

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Date Extracted: 10-29&30-09
Date Analyzed: 10-29&30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-12
Client ID: Tank8-B-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0052
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0052
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	10		0.61
Iodomethane	ND		0.0052
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0052
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0052
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0052
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0052
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0052
Toluene	ND		0.0052
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: 10-185-12
Client ID: Tank8-B-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0052
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	0.0056		0.0010
m,p-Xylene	0.024		0.0021
o-Xylene	0.0086		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0052
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0052
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	96	55-125
Toluene-d8	87	56-127
4-Bromofluorobenzene	87	54-130

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Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-14
Client ID: Tank9-B-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0059
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0059
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	0.040		0.0059
Iodomethane	ND		0.0059
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0059
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0059
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	0.0060		0.0059
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0059
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0059
Toluene	ND		0.0059
(trans) 1,3-Dichloropropene	ND		0.0012

This report pertains to the samples analyzed in accordance with the chain of custody,
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Lab ID: 10-185-14
Client ID: Tank9-B-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0059
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0024
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0059
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0059
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	93	55-125
Toluene-d8	90	56-127
4-Bromofluorobenzene	88	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-15
Client ID: Product-N Wall-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.074
Chloromethane	ND		0.37
Vinyl Chloride	ND		0.074
Bromomethane	ND		0.074
Chloroethane	ND		0.37
Trichlorofluoromethane	ND		0.074
1,1-Dichloroethene	ND		0.074
Acetone	ND		0.37
Iodomethane	ND		0.37
Carbon Disulfide	ND		0.074
Methylene Chloride	ND		0.37
(trans) 1,2-Dichloroethene	ND		0.074
Methyl t-Butyl Ether	ND		0.074
1,1-Dichloroethane	ND		0.074
Vinyl Acetate	ND		0.37
2,2-Dichloropropane	ND		0.074
(cis) 1,2-Dichloroethene	ND		0.074
2-Butanone	ND		0.37
Bromochloromethane	ND		0.074
Chloroform	ND		0.074
1,1,1-Trichloroethane	ND		0.074
Carbon Tetrachloride	ND		0.074
1,1-Dichloropropene	ND		0.074
Benzene	ND		0.074
1,2-Dichloroethane	ND		0.074
Trichloroethene	ND		0.074
1,2-Dichloropropane	ND		0.074
Dibromomethane	ND		0.074
Bromodichloromethane	ND		0.074
2-Chloroethyl Vinyl Ether	ND		0.37
(cis) 1,3-Dichloropropene	ND		0.074
Methyl Isobutyl Ketone	ND		0.37
Toluene	ND		0.37
(trans) 1,3-Dichloropropene	ND		0.074

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Lab ID: 10-185-15
Client ID: Product-N Wall-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.074
Tetrachloroethene	ND		0.074
1,3-Dichloropropane	ND		0.074
2-Hexanone	ND		0.37
Dibromochloromethane	ND		0.074
1,2-Dibromoethane	ND		0.074
Chlorobenzene	ND		0.074
1,1,1,2-Tetrachloroethane	ND		0.074
Ethylbenzene	0.099		0.074
m,p-Xylene	ND		0.15
o-Xylene	ND		0.074
Styrene	ND		0.074
Bromoform	ND		0.074
Isopropylbenzene	0.42		0.074
Bromobenzene	ND		0.074
1,1,2,2-Tetrachloroethane	ND		0.074
1,2,3-Trichloropropane	ND		0.074
n-Propylbenzene	0.47		0.074
2-Chlorotoluene	ND		0.074
4-Chlorotoluene	ND		0.074
1,3,5-Trimethylbenzene	ND		0.074
tert-Butylbenzene	ND		0.074
1,2,4-Trimethylbenzene	ND		0.074
sec-Butylbenzene	0.15		0.074
1,3-Dichlorobenzene	ND		0.074
p-Isopropyltoluene	ND		0.074
1,4-Dichlorobenzene	ND		0.074
1,2-Dichlorobenzene	ND		0.074
n-Butylbenzene	0.19		0.074
1,2-Dibromo-3-chloropropane	ND		0.37
1,2,4-Trichlorobenzene	ND		0.074
Hexachlorobutadiene	ND		0.37
Naphthalene	ND		0.074
1,2,3-Trichlorobenzene	ND		0.074

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	90	55-125
Toluene-d8	84	56-127
4-Bromofluorobenzene	90	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-16
Client ID: Product-E1 Wall-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0052
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0052
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	0.0092		0.0052
Iodomethane	ND		0.0052
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0052
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0052
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0052
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0052
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0052
Toluene	0.014		0.0052
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: 10-185-16
Client ID: Product-E1 Wall-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0052
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0021
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	0.0076		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	0.0038		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	0.0012		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0052
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0052
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	100	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	88	54-130

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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-17
Client ID: Product-E2 Wall-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0055
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0055
Trichlorofluoromethane	ND		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	0.0089		0.0055
Iodomethane	ND		0.0055
Carbon Disulfide	ND		0.0011
Methylene Chloride	ND		0.0055
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0055
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	ND		0.0055
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0055
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	ND		0.0055
Toluene	ND		0.0055
(trans) 1,3-Dichloropropene	ND		0.0011

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Lab ID: 10-185-17
Client ID: Product-E2 Wall-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	ND		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0055
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	ND		0.0011
m,p-Xylene	ND		0.0022
o-Xylene	ND		0.0011
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	ND		0.0011
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	ND		0.0011
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	ND		0.0011
tert-Butylbenzene	ND		0.0011
1,2,4-Trimethylbenzene	ND		0.0011
sec-Butylbenzene	ND		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	ND		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	ND		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0055
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0055
Naphthalene	ND		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	91	55-125
Toluene-d8	92	56-127
4-Bromofluorobenzene	90	54-130

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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-20
Client ID: Product-S Wall-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0014
Chloromethane	ND		0.0069
Vinyl Chloride	ND		0.0014
Bromomethane	ND		0.0014
Chloroethane	ND		0.0069
Trichlorofluoromethane	ND		0.0014
1,1-Dichloroethene	ND		0.0014
Acetone	0.032		0.0069
Iodomethane	ND		0.0069
Carbon Disulfide	ND		0.0014
Methylene Chloride	ND		0.0069
(trans) 1,2-Dichloroethene	ND		0.0014
Methyl t-Butyl Ether	ND		0.0014
1,1-Dichloroethane	ND		0.0014
Vinyl Acetate	ND		0.0069
2,2-Dichloropropane	ND		0.0014
(cis) 1,2-Dichloroethene	ND		0.0014
2-Butanone	ND		0.0069
Bromochloromethane	ND		0.0014
Chloroform	ND		0.0014
1,1,1-Trichloroethane	ND		0.0014
Carbon Tetrachloride	ND		0.0014
1,1-Dichloropropene	ND		0.0014
Benzene	ND		0.0014
1,2-Dichloroethane	ND		0.0014
Trichloroethene	ND		0.0014
1,2-Dichloropropane	ND		0.0014
Dibromomethane	ND		0.0014
Bromodichloromethane	ND		0.0014
2-Chloroethyl Vinyl Ether	ND		0.0069
(cis) 1,3-Dichloropropene	ND		0.0014
Methyl Isobutyl Ketone	ND		0.0069
Toluene	ND		0.0069
(trans) 1,3-Dichloropropene	ND		0.0014

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Lab ID: 10-185-20
Client ID: Product-S Wall-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0014
Tetrachloroethene	ND		0.0014
1,3-Dichloropropane	ND		0.0014
2-Hexanone	ND		0.0069
Dibromochloromethane	ND		0.0014
1,2-Dibromoethane	ND		0.0014
Chlorobenzene	ND		0.0014
1,1,1,2-Tetrachloroethane	ND		0.0014
Ethylbenzene	ND		0.0014
m,p-Xylene	ND		0.0027
o-Xylene	ND		0.0014
Styrene	ND		0.0014
Bromoform	ND		0.0014
Isopropylbenzene	ND		0.0014
Bromobenzene	ND		0.0014
1,1,2,2-Tetrachloroethane	ND		0.0014
1,2,3-Trichloropropane	ND		0.0014
n-Propylbenzene	ND		0.0014
2-Chlorotoluene	ND		0.0014
4-Chlorotoluene	ND		0.0014
1,3,5-Trimethylbenzene	ND		0.0014
tert-Butylbenzene	ND		0.0014
1,2,4-Trimethylbenzene	ND		0.0014
sec-Butylbenzene	ND		0.0014
1,3-Dichlorobenzene	ND		0.0014
p-Isopropyltoluene	ND		0.0014
1,4-Dichlorobenzene	ND		0.0014
1,2-Dichlorobenzene	ND		0.0014
n-Butylbenzene	ND		0.0014
1,2-Dibromo-3-chloropropane	ND		0.0069
1,2,4-Trichlorobenzene	ND		0.0014
Hexachlorobutadiene	ND		0.0069
Naphthalene	ND		0.0014
1,2,3-Trichlorobenzene	ND		0.0014

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	89	55-125
Toluene-d8	92	56-127
4-Bromofluorobenzene	96	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
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METHOD BLANK QUALITY CONTROL
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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1029S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

This report pertains to the samples analyzed in accordance with the chain of custody,
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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Lab ID: MB1029S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	84	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	79	54-130

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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1030S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: MB1030S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	94	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	85	54-130

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Date of Report: November 2, 2009
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Laboratory Reference: 0910-185
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1029S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0473	95	0.0448	90	70-130	
Benzene	0.0500	0.0385	77	0.0379	76	70-128	
Trichloroethene	0.0500	0.0410	82	0.0417	83	70-124	
Toluene	0.0500	0.0398	80	0.0391	78	73-123	
Chlorobenzene	0.0500	0.0471	94	0.0468	94	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	5	16	
Benzene	2	15	
Trichloroethene	2	14	
Toluene	2	14	
Chlorobenzene	1	13	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1030S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0433	87	0.0438	88	70-130	
Benzene	0.0500	0.0405	81	0.0408	82	70-128	
Trichloroethene	0.0500	0.0450	90	0.0409	82	70-124	
Toluene	0.0500	0.0456	91	0.0409	82	73-123	
Chlorobenzene	0.0500	0.0495	99	0.0468	94	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	1	16	
Benzene	1	15	
Trichloroethene	10	14	
Toluene	11	14	
Chlorobenzene	6	13	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
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Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 10-185-10
Client ID: Product-GW-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		100
Chloromethane	ND		500
Vinyl Chloride	ND		100
Bromomethane	ND		100
Chloroethane	ND		500
Trichlorofluoromethane	ND		100
1,1-Dichloroethene	ND		100
Acetone	13000		2500
Iodomethane	ND		500
Carbon Disulfide	ND		100
Methylene Chloride	ND		500
(trans) 1,2-dichloroethene	ND		100
Methyl t-Butyl Ether	ND		100
1,1-Dichloroethane	ND		100
Vinyl Acetate	ND		1000
2,2-Dichloropropane	ND		100
(cis) 1,2-Dichloroethene	ND		100
2-Butanone	ND		2500
Bromochloromethane	ND		100
Chloroform	ND		100
1,1,1-Trichloroethane	ND		100
Carbon Tetrachloride	ND		100
1,1-Dichloropropene	ND		100
Benzene	ND		100
1,2-Dichloroethane	ND		100
Trichloroethene	ND		100
1,2-Dichloropropane	ND		100
Dibromomethane	ND		100
Bromodichloromethane	ND		100
2-Chloroethyl Vinyl Ether	ND		500
(cis) 1,3-Dichloropropene	ND		100
Methyl Isobutyl Ketone	ND		1000
Toluene	17000		500
(trans) 1,3-Dichloropropene	ND		100

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Project: 14697

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Lab ID: 10-185-10
Client ID: Product-GW-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		100
Tetrachloroethene	ND		100
1,3-Dichloropropane	ND		100
2-Hexanone	ND		1000
Dibromochloromethane	ND		100
1,2-Dibromoethane	ND		100
Chlorobenzene	ND		100
1,1,1,2-Tetrachloroethane	ND		100
Ethylbenzene	8100		100
m,p-Xylene	37000		200
o-Xylene	13000		100
Styrene	ND		100
Bromoform	ND		500
Isopropylbenzene	ND		100
Bromobenzene	ND		100
1,1,2,2-Tetrachloroethane	ND		100
1,2,3-Trichloropropane	ND		100
n-Propylbenzene	ND		100
2-Chlorotoluene	ND		100
4-Chlorotoluene	ND		100
1,3,5-Trimethylbenzene	ND		100
tert-Butylbenzene	ND		100
1,2,4-Trimethylbenzene	ND		100
sec-Butylbenzene	ND		100
1,3-Dichlorobenzene	ND		100
p-Isopropyltoluene	ND		100
1,4-Dichlorobenzene	ND		100
1,2-Dichlorobenzene	ND		100
n-Butylbenzene	ND		100
1,2-Dibromo-3-chloropropane	ND		500
1,2,4-Trichlorobenzene	ND		100
Hexachlorobutadiene	ND		100
Naphthalene	ND		500
1,2,3-Trichlorobenzene	ND		100

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	89	71-126
Toluene-d8	93	76-116
4-Bromofluorobenzene	87	70-123

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Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 10-185-21
Client ID: TRIP BLANK

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	0.23		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: November 2, 2009
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Lab ID: 10-185-21
Client ID: TRIP BLANK

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	91	71-126
Toluene-d8	89	76-116
4-Bromofluorobenzene	85	70-123

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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1026W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Lab ID: MB1026W1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	87	71-126
Toluene-d8	90	76-116
4-Bromofluorobenzene	83	70-123

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 10-185-10

Compound	Sample Amount	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	ND	5000	4340	87	4260	85	70-130	
Benzene	ND	5000	4490	90	4540	91	81-125	
Trichloroethene	ND	5000	4740	95	4640	93	79-116	
Toluene	17000	5000	22500	110	21800	96	88-118	
Chlorobenzene	ND	5000	4740	95	4890	98	75-121	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	2	22	
Benzene	1	11	
Trichloroethene	2	11	
Toluene	3	14	
Chlorobenzene	3	14	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6020/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-13					
Client ID:	**PCS-1**					
Aluminum	**6000**	14	6020	10-23-09	10-23-09	
Antimony	**ND**	5.6	6020	10-26-09	10-26-09	
Arsenic	**ND**	11	6020	10-23-09	10-23-09	
Barium	**24**	2.8	6020	10-23-09	10-23-09	
Cadmium	**ND**	0.56	6020	10-23-09	10-23-09	
Chromium	**11**	1.1	6020	10-23-09	10-23-09	
Copper	**18**	1.1	6020	10-23-09	10-23-09	
Lead	**ND**	5.6	6020	10-23-09	10-23-09	
Mercury	**ND**	0.28	7471A	10-26-09	10-26-09	
Nickel	**10**	2.8	6020	10-23-09	10-23-09	
Selenium	**ND**	11	6020	10-23-09	10-23-09	
Silver	**1.9**	0.56	6020	10-23-09	10-23-09	
Zinc	**29**	2.8	6020	10-23-09	10-23-09	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6020
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-23&26-09
Date Analyzed: 10-23&26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1023S1&MB1026S3

Analyte	Method	Result	PQL
Aluminum	6020	**ND**	5.0
Antimony	6020	**ND**	5.0
Arsenic	6020	**ND**	10
Barium	6020	**ND**	2.5
Cadmium	6020	**ND**	0.50
Chromium	6020	**ND**	1.0
Copper	6020	**ND**	0.50
Lead	6020	**ND**	5.0
Nickel	6020	**ND**	2.5
Selenium	6020	**ND**	10
Silver	6020	**ND**	0.50
Zinc	6020	**ND**	2.5

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1026S1

Analyte	Method	Result	PQL
Mercury	7471A	**ND**	0.25

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6020
DUPLICATE QUALITY CONTROL

Date Extracted: 10-23&26-09
Date Analyzed: 10-23&26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-128-02

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Aluminum	**4740**	**5470**	14	25	
Antimony	**ND**	**ND**	NA	5.0	
Arsenic	**ND**	**ND**	NA	10	
Barium	**24.9**	**23.9**	4	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**7.48**	**8.06**	7	1.0	
Copper	**11.0**	**13.1**	18	0.50	
Lead	**8.37**	**8.52**	2	5.0	
Nickel	**6.25**	**6.81**	9	2.5	
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	0.50	
Zinc	**45.5**	**48.1**	5	2.5	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-13

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Mercury	**ND**	**ND**	NA	0.25	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6020
MS/MSD QUALITY CONTROL

Date Extracted: 10-23&26-09
Date Analyzed: 10-23&26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-128-02

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Aluminum	1000	**7390**	265	**6200**	146	17	A
Antimony	100	**94.8**	95	**101**	101	6	
Arsenic	100	**96.1**	96	**100**	100	4	
Barium	100	**125**	100	**126**	101	0	
Cadmium	50	**49.8**	100	**47.2**	94	5	
Chromium	100	**108**	101	**106**	98	2	
Copper	50	**60.3**	99	**62.0**	102	3	
Lead	250	**249**	96	**248**	96	0	
Nickel	100	**103**	97	**106**	99	3	
Selenium	100	**101**	101	**104**	104	3	
Silver	25	**24.0**	96	**23.7**	95	1	
Zinc	100	**149**	104	**152**	106	2	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 7471A
MS/MSD QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-13

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Mercury	0.50	**0.526**	105	**0.528**	106	1	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-05					
Client ID:	**Stockpile-P1**					
Arsenic	**ND**	11	6010B	10-28-09	10-28-09	
Cadmium	**ND**	0.53	6010B	10-28-09	10-28-09	
Chromium	**15**	0.53	6010B	10-28-09	10-28-09	
Copper	**40**	1.1	6010B	10-28-09	10-28-09	
Lead	**ND**	5.3	6010B	10-28-09	10-28-09	
Mercury	**ND**	0.27	7471A	10-26-09	10-26-09	
Nickel	**15**	2.7	6010B	10-28-09	10-28-09	
Zinc	**33**	2.7	6010B	10-28-09	10-28-09	
Lab ID:	10-185-07					
Client ID:	**Stockpile-P2**					
Arsenic	**ND**	10	6010B	10-28-09	10-28-09	
Cadmium	**ND**	0.52	6010B	10-28-09	10-28-09	
Chromium	**16**	0.52	6010B	10-28-09	10-28-09	
Copper	**34**	1.0	6010B	10-28-09	10-28-09	
Lead	**ND**	5.2	6010B	10-28-09	10-28-09	
Mercury	**ND**	0.26	7471A	10-26-09	10-26-09	
Nickel	**12**	2.6	6010B	10-28-09	10-28-09	
Zinc	**26**	2.6	6010B	10-28-09	10-28-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-11					
Client ID:	**Stockpile-P3**					
Arsenic	**ND**	12	6010B	10-28-09	10-28-09	
Cadmium	**ND**	0.58	6010B	10-28-09	10-28-09	
Chromium	**17**	0.58	6010B	10-28-09	10-28-09	
Copper	**34**	1.2	6010B	10-28-09	10-28-09	
Lead	**ND**	5.8	6010B	10-28-09	10-28-09	
Mercury	**ND**	0.29	7471A	10-26-09	10-26-09	
Nickel	**15**	2.9	6010B	10-28-09	10-28-09	
Zinc	**180**	2.9	6010B	10-28-09	10-28-09	
Lab ID:	10-185-18					
Client ID:	**Stockpile-P4**					
Arsenic	**ND**	10	6010B	10-28-09	10-28-09	
Cadmium	**ND**	0.52	6010B	10-28-09	10-28-09	
Chromium	**15**	0.52	6010B	10-28-09	10-28-09	
Copper	**35**	1.0	6010B	10-28-09	10-28-09	
Lead	**ND**	5.2	6010B	10-28-09	10-28-09	
Mercury	**ND**	0.26	7471A	10-26-09	10-26-09	
Nickel	**13**	2.6	6010B	10-28-09	10-28-09	
Zinc	**38**	2.6	6010B	10-28-09	10-28-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-19					
Client ID:	**Stockpile-P5**					
Arsenic	**ND**	11	6010B	10-28-09	10-28-09	
Cadmium	**ND**	0.54	6010B	10-28-09	10-28-09	
Chromium	**14**	0.54	6010B	10-28-09	10-28-09	
Copper	**30**	1.1	6010B	10-28-09	10-28-09	
Lead	**ND**	5.4	6010B	10-28-09	10-28-09	
Mercury	**ND**	0.27	7471A	10-26-09	10-26-09	
Nickel	**13**	2.7	6010B	10-28-09	10-28-09	
Zinc	**24**	2.7	6010B	10-28-09	10-28-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-26&28-09
Date Analyzed: 10-26&28-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1026S2&MB1028S1

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Copper	6010B	**ND**	1.0
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Nickel	6010B	**ND**	2.5
Zinc	6010B	**ND**	2.5

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 10-26&28-09
Date Analyzed: 10-26&28-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-19

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**12.8**	**13.7**	6	0.50	
Copper	**28.2**	**29.5**	5	1.0	
Lead	**ND**	**ND**	NA	5.0	
Mercury	**ND**	**ND**	NA	0.25	
Nickel	**12.4**	**12.4**	0	2.5	
Zinc	**22.0**	**24.7**	11	2.5	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 10-26&28-09
Date Analyzed: 10-26&28-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-19

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**84.1**	84	**85.1**	85	1	
Cadmium	50	**45.0**	90	**45.1**	90	0	
Chromium	100	**104**	92	**105**	92	1	
Copper	50	**77.3**	98	**75.9**	96	2	
Lead	250	**216**	86	**217**	87	1	
Mercury	0.50	**0.515**	103	**0.510**	102	1	
Nickel	100	**102**	90	**103**	90	0	
Zinc	100	**118**	96	**115**	93	3	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-01					
Client ID:	**Tank3-B-1009**					
Arsenic	**ND**	12	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.58	6010B	10-29-09	10-29-09	
Chromium	**16**	0.58	6010B	10-29-09	10-29-09	
Copper	**26**	1.2	6010B	10-29-09	10-29-09	
Lead	**ND**	5.8	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.29	7471A	10-26-09	10-26-09	
Nickel	**15**	2.9	6010B	10-29-09	10-29-09	
Zinc	**27**	2.9	6010B	10-29-09	10-29-09	
Lab ID:	10-185-02					
Client ID:	**Product-W1Wall-1009**					
Arsenic	**ND**	11	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.55	6010B	10-29-09	10-29-09	
Chromium	**8.5**	0.55	6010B	10-29-09	10-29-09	
Copper	**13**	1.1	6010B	10-29-09	10-29-09	
Lead	**ND**	5.5	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.27	7471A	10-26-09	10-26-09	
Nickel	**8.3**	2.7	6010B	10-29-09	10-29-09	
Zinc	**32**	2.7	6010B	10-29-09	10-29-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-03					
Client ID:	**Tank4-B-1009**					
Arsenic	**ND**	13	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.64	6010B	10-29-09	10-29-09	
Chromium	**7.9**	0.64	6010B	10-29-09	10-29-09	
Copper	**13**	1.3	6010B	10-29-09	10-29-09	
Lead	**ND**	6.4	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.32	7471A	10-26-09	10-26-09	
Nickel	**9.1**	3.2	6010B	10-29-09	10-29-09	
Zinc	**29**	3.2	6010B	10-29-09	10-29-09	
Lab ID:	10-185-04					
Client ID:	**Tank5-B-1009**					
Arsenic	**ND**	12	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.60	6010B	10-29-09	10-29-09	
Chromium	**11**	0.60	6010B	10-29-09	10-29-09	
Copper	**25**	1.2	6010B	10-29-09	10-29-09	
Lead	**ND**	6.0	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.30	7471A	10-26-09	10-26-09	
Nickel	**12**	3.0	6010B	10-29-09	10-29-09	
Zinc	**23**	3.0	6010B	10-29-09	10-29-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-06					
Client ID:	**Tank6-B-1009**					
Arsenic	**ND**	11	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.56	6010B	10-29-09	10-29-09	
Chromium	**7.8**	0.56	6010B	10-29-09	10-29-09	
Copper	**9.3**	1.1	6010B	10-29-09	10-29-09	
Lead	**ND**	5.6	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.28	7471A	10-26-09	10-26-09	
Nickel	**8.8**	2.8	6010B	10-29-09	10-29-09	
Zinc	**25**	2.8	6010B	10-29-09	10-29-09	
Lab ID:	10-185-08					
Client ID:	**Tank7-B-1009**					
Arsenic	**ND**	11	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.57	6010B	10-29-09	10-29-09	
Chromium	**13**	0.57	6010B	10-29-09	10-29-09	
Copper	**33**	1.1	6010B	10-29-09	10-29-09	
Lead	**ND**	5.7	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.29	7471A	10-26-09	10-26-09	
Nickel	**13**	2.9	6010B	10-29-09	10-29-09	
Zinc	**29**	2.9	6010B	10-29-09	10-29-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-09					
Client ID:	**Product-W2Wall-1009**					
Arsenic	**ND**	11	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.56	6010B	10-29-09	10-29-09	
Chromium	**8.2**	0.56	6010B	10-29-09	10-29-09	
Copper	**14**	1.1	6010B	10-29-09	10-29-09	
Lead	**ND**	5.6	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.28	7471A	10-26-09	10-26-09	
Nickel	**6.8**	2.8	6010B	10-29-09	10-29-09	
Zinc	**17**	2.8	6010B	10-29-09	10-29-09	
Lab ID:	10-185-12					
Client ID:	**Tank8-B-1009**					
Arsenic	**ND**	12	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.59	6010B	10-29-09	10-29-09	
Chromium	**15**	0.59	6010B	10-29-09	10-29-09	
Copper	**30**	1.2	6010B	10-29-09	10-29-09	
Lead	**ND**	5.9	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.29	7471A	10-26-09	10-26-09	
Nickel	**15**	2.9	6010B	10-29-09	10-29-09	
Zinc	**27**	2.9	6010B	10-29-09	10-29-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-14					
Client ID:	**Tank9-B-1009**					
Arsenic	**ND**	12	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.61	6010B	10-29-09	10-29-09	
Chromium	**17**	0.61	6010B	10-29-09	10-29-09	
Copper	**13**	1.2	6010B	10-29-09	10-29-09	
Lead	**7.2**	6.1	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.31	7471A	10-26-09	10-26-09	
Nickel	**22**	3.1	6010B	10-29-09	10-29-09	
Zinc	**95**	3.1	6010B	10-29-09	10-29-09	
Lab ID:	10-185-15					
Client ID:	**Product-NWall-1009**					
Arsenic	**ND**	13	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.64	6010B	10-29-09	10-29-09	
Chromium	**7.2**	0.64	6010B	10-29-09	10-29-09	
Copper	**9.3**	1.3	6010B	10-29-09	10-29-09	
Lead	**ND**	6.4	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.32	7471A	10-26-09	10-26-09	
Nickel	**6.6**	3.2	6010B	10-29-09	10-29-09	
Zinc	**140**	3.2	6010B	10-29-09	10-29-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-16					
Client ID:	**Product-E1Wall-1009**					
Arsenic	**ND**	11	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.56	6010B	10-29-09	10-29-09	
Chromium	**13**	0.56	6010B	10-29-09	10-29-09	
Copper	**28**	1.1	6010B	10-29-09	10-29-09	
Lead	**ND**	5.6	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.28	7471A	10-26-09	10-26-09	
Nickel	**13**	2.8	6010B	10-29-09	10-29-09	
Zinc	**24**	2.8	6010B	10-29-09	10-29-09	
Lab ID:	10-185-17					
Client ID:	**Product-E2Wall-1009**					
Arsenic	**ND**	12	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.58	6010B	10-29-09	10-29-09	
Chromium	**18**	0.58	6010B	10-29-09	10-29-09	
Copper	**26**	1.2	6010B	10-29-09	10-29-09	
Lead	**ND**	5.8	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.29	7471A	10-26-09	10-26-09	
Nickel	**14**	2.9	6010B	10-29-09	10-29-09	
Zinc	**25**	2.9	6010B	10-29-09	10-29-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-20					
Client ID:	**Product-SWall-1009**					
Arsenic	**ND**	12	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.61	6010B	10-29-09	10-29-09	
Chromium	**5.6**	0.61	6010B	10-29-09	10-29-09	
Copper	**5.3**	1.2	6010B	10-29-09	10-29-09	
Lead	**ND**	6.1	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.30	7471A	10-26-09	10-26-09	
Nickel	**5.2**	3.0	6010B	10-29-09	10-29-09	
Zinc	**14**	3.0	6010B	10-29-09	10-29-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-26&28-09
Date Analyzed: 10-26&28-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1026S2&MB1028S1

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Copper	6010B	**ND**	1.0
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Nickel	6010B	**ND**	2.5
Zinc	6010B	**ND**	2.5

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 10-26&28-09
Date Analyzed: 10-26&28-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-19

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**12.8**	**13.7**	6	0.50	
Copper	**28.2**	**29.5**	5	1.0	
Lead	**ND**	**ND**	NA	5.0	
Mercury	**ND**	**ND**	NA	0.25	
Nickel	**12.4**	**12.4**	0	2.5	
Zinc	**22.0**	**24.7**	11	2.5	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 10-26&28-09
Date Analyzed: 10-26&28-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-19

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**84.1**	84	**85.1**	85	1	
Cadmium	50	**45.0**	90	**45.1**	90	0	
Chromium	100	**104**	92	**105**	92	1	
Copper	50	**77.3**	98	**75.9**	96	2	
Lead	250	**216**	86	**217**	87	1	
Mercury	0.50	**0.515**	103	**0.510**	102	1	
Nickel	100	**102**	90	**103**	90	0	
Zinc	100	**118**	96	**115**	93	3	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 200.8/7470A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-10					
Client ID:	**Product-GW-1009**					
Arsenic	**12**	3.3	200.8	10-31-09	10-31-09	
Cadmium	**ND**	4.4	200.8	10-31-09	10-31-09	
Chromium	**30**	11	200.8	10-31-09	10-31-09	
Copper	**110**	11	200.8	10-31-09	10-31-09	
Lead	**14**	1.1	200.8	10-31-09	10-31-09	
Mercury	**ND**	0.5	7470A	10-30-09	10-30-09	
Nickel	**26**	22	200.8	10-31-09	10-31-09	
Zinc	**120**	28	200.8	10-31-09	10-31-09	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 200.8/7470A
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-30&31-09
Date Analyzed: 10-30&31-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1030W1&MB1031W2

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Copper	200.8	**ND**	11
Lead	200.8	**ND**	1.1
Mercury	7470A	**ND**	0.50
Nickel	200.8	**ND**	22
Zinc	200.8	**ND**	28

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 200.8/7470A
DUPLICATE QUALITY CONTROL

Date Extracted: 10-30&31-09
Date Analyzed: 10-30&31-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 10-185-10

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**12.3**	**12.9**	5	3.3	
Cadmium	**ND**	**ND**	NA	4.4	
Chromium	**30.1**	**35.8**	17	11	
Copper	**110**	**115**	4	11	
Lead	**14.2**	**14.7**	4	1.1	
Mercury	**ND**	**ND**	NA	0.50	
Nickel	**26.2**	**28.6**	9	22	
Zinc	**117**	**112**	5	28	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 200.8/7470A
MS/MSD QUALITY CONTROL

Date Extracted: 10-30&31-09
Date Analyzed: 10-30&31-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 10-185-10

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	110	**121**	99	**124**	101	3	
Cadmium	110	**111**	101	**110**	100	1	
Chromium	110	**122**	84	**122**	84	0	
Copper	110	**209**	89	**215**	95	3	
Lead	110	**121**	97	**124**	99	2	
Mercury	12.5	**11.6**	93	**12.2**	98	6	
Nickel	110	**124**	89	**131**	95	6	
Zinc	110	**216**	90	**226**	99	5	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TCLP Metals
EPA 1311/6010B

Matrix: TCLP Extract
Units: mg/L (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-13					
Client ID:	**PCS-1**					
Chromium	**ND**	0.020	6010B	10-29-09	10-29-09	
Lead	**ND**	0.20	6010B	10-29-09	10-29-09	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TCLP Metals
EPA 1311/6010B
METHOD BLANK QUALITY CONTROL

Date Prepared:	10-28-09
Date Extracted:	10-29-09
Date Analyzed:	10-29-09
Matrix:	TCLP Extract
Units:	mg/L (ppm)
Lab ID:	MB1029T1

Analyte	Method	Result	PQL
Chromium	6010B	**ND**	0.020
Lead	6010B	**ND**	0.20

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TCLP Metals
EPA 1311/6010B
DUPLICATE QUALITY CONTROL

Date Prepared: 10-28-09
Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 10-185-13

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Chromium	**ND**	**ND**	NA	0.020	
Lead	**ND**	**ND**	NA	0.20	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TCLP Metals
EPA 1311/6010B
MS/MSD QUALITY CONTROL

Date Prepared: 10-28-09
Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 10-185-13

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Chromium	4.0	**4.20**	105	**4.34**	109	3	
Lead	10	**10.1**	101	**10.3**	103	2	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**PCS-1**					
Laboratory ID:	10-185-13					
Aroclor 1016	**ND**	0.056	EPA 8082	10-28-09	10-28-09	
Aroclor 1221	**ND**	0.056	EPA 8082	10-28-09	10-28-09	
Aroclor 1232	**ND**	0.056	EPA 8082	10-28-09	10-28-09	
Aroclor 1242	**ND**	0.056	EPA 8082	10-28-09	10-28-09	
Aroclor 1248	**ND**	0.056	EPA 8082	10-28-09	10-28-09	
Aroclor 1254	**ND**	0.056	EPA 8082	10-28-09	10-28-09	
Aroclor 1260	**ND**	0.056	EPA 8082	10-28-09	10-28-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*85*	*33-122*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1028S1					
Aroclor 1016	**ND**	0.050	EPA 8082	10-28-09	10-28-09	
Aroclor 1221	**ND**	0.050	EPA 8082	10-28-09	10-28-09	
Aroclor 1232	**ND**	0.050	EPA 8082	10-28-09	10-28-09	
Aroclor 1242	**ND**	0.050	EPA 8082	10-28-09	10-28-09	
Aroclor 1248	**ND**	0.050	EPA 8082	10-28-09	10-28-09	
Aroclor 1254	**ND**	0.050	EPA 8082	10-28-09	10-28-09	
Aroclor 1260	**ND**	0.050	EPA 8082	10-28-09	10-28-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*81*	*33-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-185-13										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.394**	**0.425**	0.500	0.500	ND	**79**	**85**	24-125	8	18	
Surrogate:											
DCB						*88*	*80*	*33-122*			

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

% MOISTURE

Date Analyzed: 10-23&26-09

Client ID	Lab ID	% Moisture
Tank 3-B-1009	10-185-01	14
Product –W1 Wall-1009	10-185-02	9
Tank 4-B-1009	10-185-03	22
Tank 5-B-1009	10-185-04	16
Stockpile-P1	10-185-05	6
Tank 6-B-1009	10-185-06	11
Stockpile-P2	10-185-07	4
Tank 7-B-1009	10-185-08	12
Product-W2 Wall-1009	10-185-09	11
Stockpile-3	10-185-11	14
Tank 8-B-1009	10-185-12	15
PCS-1	10-185-13	10
Tank 9-B-1009	10-185-14	19
Product-N Wall-1009	10-185-15	21
Product-E1 Wall-1009	10-185-16	11
Product E2 Wall-1009	10-185-17	13
Stockpile-P4	10-185-18	5
Stockpile-P5	10-185-19	7
Product-S Wall-1009	10-185-20	18

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z - The chromatogram is similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

CHAIN-OF-CUSTODY RECORD

10-185 SEA 10009

PROJECT NAME: Kelly - Moore			DATE: 10/22/09 PAGE 1 OF 2
PROJECT NUMBER: 146097	LABORATORY NAME: OnSite	CLIENT INFORMATION: AMEC Geomx	REPORTING REQUIREMENTS:
RESULTS TO: Tasya Gray	LABORATORY ADDRESS:	2000 University	
TURNAROUND TIME: Std except where noted		STE 1020	
SAMPLE SHIPMENT METHOD: lab pick up / courier	LABORATORY CONTACT: D. Baumeister	Seattle WA 98101	GEOTRACKER REQUIRED YES NO
	LABORATORY PHONE NUMBER: 425-883-3881		SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE):

ANALYSES

	DATE	TIME	SAMPLE NUMBER	TPH-Gx	NWTPH-Dx	SVOCs (8270)	VOCs (8260)	metals	metals 2	TCLP Pb+Cr	PCBs 8082							Geomoisture	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
1	10/20/09	1450	Tank 3-B-1009	/	/	/	/	/											multiple	S	-	HCl No3 None	Y	N	6	
2	10/21/09	1045	Product-W1 Wall-1009	/	/	/	/	/												S	-	None	Y	N	6	
3		1050	Tank 4-B-1009	/	/	/	/	/												S	-		Y	N	6	
4		1300	Tank 5-B-1009	/	/	/	/	/												S	-		Y	N	6	
5		1335	Stockpile-P1	/	/	/	/	/												S	-		Y	N	6	3 day TAT
6		1450	Tank 6-B-1009	/	/	/	/	/												S	-		Y	N	6	
7	↓	1605	Stockpile-P2	/	/	/	/	/												S	-		Y	N	6	3 day TAT
8	10/22/09	855	Tank 7-B-1009	/	/	/	/	/												S	-		Y	N	6	
9		900	Product-W2 Wall-1009	/	/	/	/	/												S	-	↓	Y	N	6	
10		1025	Product-GW-1009	/	/	/	/	/												W	2	HCl No3	Y	Y	15	
11		1050	Stockpile-P3	/	/	/	/	/												S	-	None	Y	N	6	3 day TAT
12		1105	Tank 8-B-1009	/	/	/	/	/												S	-	None	Y	N	6	
13		1135	PCS-1	/	/	/	/		/	⊗	⊗									S	-	None	Y	N	8	24 Hr TAT
14		1355	Tank 9-B-1009	/	/	/	/	/												S	-	None	Y	N	6	
15	↓	1400	Product-N Wall-1009	/	/	/	/	/												S	-	None	Y	N	6	

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE:	10/23/09	900	SIGNATURE:	10/23/09	9:00
PRINTED NAME: Abby Bacon			PRINTED NAME: Speedy		
COMPANY: AMEC GMX			COMPANY: #24		
SIGNATURE:	10/23/09	9:40	SIGNATURE:	10/23/09	9:45
PRINTED NAME:			PRINTED NAME: M VOWN		
COMPANY: Speedy #24			COMPANY: OGE		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		

TOTAL NUMBER OF CONTAINERS: 150

SAMPLING COMMENTS:

metals = As, Cd, Cu, Cr, Pb, Ni, Hg, Zn (6010 & 6020)
Acid wash / Silica Gel cleanup for TPH-Dx
metals 2 = RCRA 8 + Al, Cu, Ni, Sb, Zn
@Added 10/28/09.DB (1 day TAT)

One Union Square, 600 University Street, Suite 1020
Seattle, Washington 98101-4107
Tel 206.342.1760 Fax 206.342.1761

Geomatrix

CHAIN-OF-CUSTODY RECORD

10-185 SEA 10010

PROJECT NAME: Kelly-Moore			DATE: 10/22/09 PAGE 2 OF 2
PROJECT NUMBER: 14697	LABORATORY NAME: Onsite	CLIENT INFORMATION: AMEC GMX	REPORTING REQUIREMENTS:
RESULTS TO: Tasya Gray	LABORATORY ADDRESS:	600 University St	
TURNAROUND TIME: 24 hr except as noted		STE 1020	
SAMPLE SHIPMENT METHOD: lab pick-up/courier	LABORATORY CONTACT: E. Daumeister	Seattle WA 98101	GEOTRACKER REQUIRED YES NO
	LABORATORY PHONE NUMBER: 425-883-3881		SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE):

	DATE	TIME	SAMPLE NUMBER	TPH-Gx	NWTPH-Dx	SVOCs (8270)	VOCs (8260)	metals	% moisture	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
16	10/22/09	1500	Product-E1 Wall-1009	/	/	/	/	/	X	multiple	S	-	None	4	2	6	
17		1515	Product-E2 Wall-1009	/	/	/	/	/			S	-	None	4	2	6	
18		1525	Stockpile - P4	/	/	/	/	/			S	-	None	4	2	6	3 day TAT
19	↓	1530	Stockpile - P5	/	/	/	/	/		↓	S	-	~~Hcl~~ None	4	~~2~~ 3	12	3 day TAT
20	10/20/09	1445	Product-S Wall-1009	/	/	/	/	/	↓	multiple	S	-	None	4	2	6	
21	-	-	TRIP BLANK				/				W					4	

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE:	10/23/09	900	SIGNATURE:	10/22/09	9am
PRINTED NAME: Abby Bazin			PRINTED NAME: Speedy		
COMPANY: AMEC GMX			COMPANY: #24		
SIGNATURE:	10/23/09	9:40	SIGNATURE:	10/23/09	945
PRINTED NAME:			PRINTED NAME: MVOLN		
COMPANY: Speedy			COMPANY: OBE		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		

TOTAL NUMBER OF CONTAINERS:

SAMPLING COMMENTS:

One Union Square, 600 University Street, Suite 1020
Seattle, Washington 98101-4107
Tel 206.342.1760 Fax 206.342.1761

Geomatrix

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 4, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0910-238

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on October 29, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,



David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

Case Narrative

Samples were collected on October 29, 2009, and received by the laboratory on October 29, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The chromatograms for samples NW Pipe-5.0-1009 and NW Pipe-0.5-1009 are similar to mineral spirits.

The chromatograms for samples NW Pipe-2.0-1009 and NW Pipe-2.5-1009 are similar to mineral spirits with gasoline range organics.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Volatiles EPA 8260B Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Semivolatiles EPA 8270D/SIM Analysis

Samples NW Pipe-2.0-1009 and NW Pipe-0.5-1009 had one surrogate recovery out of control limits. This is within allowance of our standard operation procedure as long as the recovery is above 10%.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-2.0-1009**					
Laboratory ID:	10-238-01					
N-Nitrosodimethylamine	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Pyridine	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Phenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Aniline	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroethyl)ether	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2-Chlorophenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
1,3-Dichlorobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
1,4-Dichlorobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Benzyl alcohol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
1,2-Dichlorobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2-Methylphenol (o-Cresol)	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroisopropyl)ether	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
N-Nitroso-di-n-propylamine	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Hexachloroethane	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Nitrobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Isophorone	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2-Nitrophenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2,4-Dimethylphenol	**2.6**	0.23	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroethoxy)methane	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2,4-Dichlorophenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
1,2,4-Trichlorobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Naphthalene	**1.1**	0.23	EPA 8270	10-31-09	11-2-09	
4-Chloroaniline	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Hexachlorobutadiene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
4-Chloro-3-methylphenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2-Methylnaphthalene	**1.4**	0.23	EPA 8270	10-31-09	11-2-09	
1-Methylnaphthalene	**1.2**	0.23	EPA 8270	10-31-09	11-2-09	
Hexachlorocyclopentadiene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2,4,6-Trichlorophenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2,3-Dichloroaniline	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2,4,5-Trichlorophenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2-Chloronaphthalene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2-Nitroaniline	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
1,4-Dinitrobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Dimethylphthalate	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
1,3-Dinitrobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2,6-Dinitrotoluene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
1,2-Dinitrobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Acenaphthylene	**ND**	0.045	EPA 8270/SIM	10-31-09	11-3-09	
3-Nitroaniline	**ND**	0.23	EPA 8270	10-31-09	11-2-09	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-2.0-1009**					
Laboratory ID:	10-238-01					
2,4-Dinitrophenol	**ND**	1.1	EPA 8270	10-31-09	11-2-09	
Acenaphthene	**ND**	0.045	EPA 8270/SIM	10-31-09	11-3-09	
4-Nitrophenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2,4-Dinitrotoluene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Dibenzofuran	**0.40**	0.23	EPA 8270	10-31-09	11-2-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Diethylphthalate	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
4-Chlorophenyl-phenylether	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
4-Nitroaniline	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Fluorene	**0.082**	0.045	EPA 8270/SIM	10-31-09	11-3-09	
4,6-Dinitro-2-methylphenol	**ND**	1.1	EPA 8270	10-31-09	11-2-09	
N-Nitrosodiphenylamine	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
1,2-Diphenylhydrazine	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
4-Bromophenyl-phenylether	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Hexachlorobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Pentachlorophenol	**ND**	1.1	EPA 8270	10-31-09	11-2-09	
Phenanthrene	**0.84**	0.23	EPA 8270	10-31-09	11-2-09	
Anthracene	**0.092**	0.045	EPA 8270/SIM	10-31-09	11-3-09	
Carbazole	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Di-n-butylphthalate	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Fluoranthene	**0.69**	0.23	EPA 8270	10-31-09	11-2-09	
Benzidine	**ND**	2.3	EPA 8270	10-31-09	11-2-09	
Pyrene	**0.94**	0.23	EPA 8270	10-31-09	11-2-09	
Butylbenzylphthalate	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
bis-2-Ethylhexyladipate	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
3,3'-Dichlorobenzidine	**ND**	2.3	EPA 8270	10-31-09	11-2-09	
Benzo[a]anthracene	**0.33**	0.23	EPA 8270	10-31-09	11-2-09	
Chrysene	**0.47**	0.23	EPA 8270	10-31-09	11-2-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Di-n-octylphthalate	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Benzo[b]fluoranthene	**0.52**	0.23	EPA 8270	10-31-09	11-2-09	
Benzo[k]fluoranthene	**0.14**	0.045	EPA 8270/SIM	10-31-09	11-3-09	
Benzo[a]pyrene	**0.54**	0.23	EPA 8270	10-31-09	11-2-09	
Indeno[1,2,3-cd]pyrene	**0.34**	0.23	EPA 8270	10-31-09	11-2-09	
Dibenz[a,h]anthracene	**0.077**	0.045	EPA 8270/SIM	10-31-09	11-3-09	
Benzo[g,h,i]perylene	**0.47**	0.23	EPA 8270	10-31-09	11-2-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*16*	*19 - 97*				Q
Phenol-d6	*87*	*22 - 108*				
Nitrobenzene-d5	*100*	*21 - 106*				
2-Fluorobiphenyl	*92*	*29 - 107*				
2,4,6-Tribromophenol	*70*	*44 - 121*				
Terphenyl-d14	*85*	*37 - 120*				

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-2.5-1009**					
Laboratory ID:	10-238-02					
N-Nitrosodimethylamine	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Pyridine	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Phenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Aniline	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroethyl)ether	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2-Chlorophenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
1,3-Dichlorobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
1,4-Dichlorobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Benzyl alcohol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
1,2-Dichlorobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2-Methylphenol (o-Cresol)	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroisopropyl)ether	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
N-Nitroso-di-n-propylamine	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Hexachloroethane	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Nitrobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Isophorone	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2-Nitrophenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,4-Dimethylphenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroethoxy)methane	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,4-Dichlorophenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
1,2,4-Trichlorobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Naphthalene	**0.072**	0.049	EPA 8270	10-31-09	11-2-09	
4-Chloroaniline	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Hexachlorobutadiene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
4-Chloro-3-methylphenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2-Methylnaphthalene	**0.031**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
1-Methylnaphthalene	**0.025**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Hexachlorocyclopentadiene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,4,6-Trichlorophenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,3-Dichloroaniline	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,4,5-Trichlorophenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2-Chloronaphthalene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2-Nitroaniline	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
1,4-Dinitrobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Dimethylphthalate	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
1,3-Dinitrobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,6-Dinitrotoluene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
1,2-Dinitrobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Acenaphthylene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
3-Nitroaniline	**ND**	0.049	EPA 8270	10-31-09	11-2-09	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-2.5-1009**					
Laboratory ID:	10-238-02					
2,4-Dinitrophenol	**ND**	0.25	EPA 8270	10-31-09	11-2-09	
Acenaphthene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
4-Nitrophenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,4-Dinitrotoluene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Dibenzofuran	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Diethylphthalate	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
4-Chlorophenyl-phenylether	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
4-Nitroaniline	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Fluorene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
4,6-Dinitro-2-methylphenol	**ND**	0.25	EPA 8270	10-31-09	11-2-09	
N-Nitrosodiphenylamine	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
1,2-Diphenylhydrazine	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
4-Bromophenyl-phenylether	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Hexachlorobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Pentachlorophenol	**ND**	0.25	EPA 8270	10-31-09	11-2-09	
Phenanthrene	**0.015**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Anthracene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Carbazole	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Di-n-butylphthalate	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Fluoranthene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Benzidine	**ND**	0.49	EPA 8270	10-31-09	11-2-09	
Pyrene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Butylbenzylphthalate	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
bis-2-Ethylhexyladipate	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
3,3'-Dichlorobenzidine	**ND**	0.49	EPA 8270	10-31-09	11-2-09	
Benzo[a]anthracene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Chrysene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Di-n-octylphthalate	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Benzo[b]fluoranthene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Benzo[k]fluoranthene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Benzo[a]pyrene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Dibenz[a,h]anthracene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Benzo[g,h,i]perylene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*49*	*19 - 97*				
Phenol-d6	*75*	*22 - 108*				
Nitrobenzene-d5	*87*	*21 - 106*				
2-Fluorobiphenyl	*77*	*29 - 107*				
2,4,6-Tribromophenol	*68*	*44 - 121*				
Terphenyl-d14	*75*	*37 - 120*				

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-5.0-1009**					
Laboratory ID:	10-238-03					
N-Nitrosodimethylamine	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Pyridine	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Phenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Aniline	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroethyl)ether	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2-Chlorophenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
1,3-Dichlorobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
1,4-Dichlorobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Benzyl alcohol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
1,2-Dichlorobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2-Methylphenol (o-Cresol)	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroisopropyl)ether	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
N-Nitroso-di-n-propylamine	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Hexachloroethane	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Nitrobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Isophorone	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2-Nitrophenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,4-Dimethylphenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroethoxy)methane	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,4-Dichlorophenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
1,2,4-Trichlorobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Naphthalene	**0.0083**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
4-Chloroaniline	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Hexachlorobutadiene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
4-Chloro-3-methylphenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2-Methylnaphthalene	**0.010**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
1-Methylnaphthalene	**0.010**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Hexachlorocyclopentadiene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,4,6-Trichlorophenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,3-Dichloroaniline	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,4,5-Trichlorophenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2-Chloronaphthalene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2-Nitroaniline	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
1,4-Dinitrobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Dimethylphthalate	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
1,3-Dinitrobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,6-Dinitrotoluene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
1,2-Dinitrobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Acenaphthylene	**ND**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
3-Nitroaniline	**ND**	0.038	EPA 8270	10-31-09	11-2-09	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-5.0-1009**					
Laboratory ID:	10-238-03					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-31-09	11-2-09	
Acenaphthene	**ND**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
4-Nitrophenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,4-Dinitrotoluene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Dibenzofuran	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Diethylphthalate	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
4-Chlorophenyl-phenylether	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
4-Nitroaniline	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Fluorene	**ND**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-31-09	11-2-09	
N-Nitrosodiphenylamine	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
1,2-Diphenylhydrazine	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
4-Bromophenyl-phenylether	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Hexachlorobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-31-09	11-2-09	
Phenanthrene	**0.017**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Anthracene	**ND**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Carbazole	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Di-n-butylphthalate	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Fluoranthene	**0.023**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Benzidine	**ND**	0.38	EPA 8270	10-31-09	11-2-09	
Pyrene	**0.023**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Butylbenzylphthalate	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
bis-2-Ethylhexyladipate	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
3,3'-Dichlorobenzidine	**ND**	0.38	EPA 8270	10-31-09	11-2-09	
Benzo[a]anthracene	**0.012**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Chrysene	**0.016**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
bis(2-Ethylhexyl)phthalate	**0.041**	0.038	EPA 8270	10-31-09	11-2-09	
Di-n-octylphthalate	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Benzo[b]fluoranthene	**0.017**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Benzo[k]fluoranthene	**ND**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Benzo[a]pyrene	**0.015**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Indeno[1,2,3-cd]pyrene	**0.012**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Dibenz[a,h]anthracene	**ND**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Benzo[g,h,i]perylene	**0.015**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*49*	*19 - 97*				
Phenol-d6	*63*	*22 - 108*				
Nitrobenzene-d5	*64*	*21 - 106*				
2-Fluorobiphenyl	*69*	*29 - 107*				
2,4,6-Tribromophenol	*63*	*44 - 121*				
Terphenyl-d14	*70*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-0.5-1009**					
Laboratory ID:	10-238-04					
N-Nitrosodimethylamine	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Pyridine	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Phenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Aniline	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroethyl)ether	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2-Chlorophenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
1,3-Dichlorobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
1,4-Dichlorobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Benzyl alcohol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
1,2-Dichlorobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2-Methylphenol (o-Cresol)	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroisopropyl)ether	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
N-Nitroso-di-n-propylamine	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Hexachloroethane	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Nitrobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Isophorone	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2-Nitrophenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,4-Dimethylphenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroethoxy)methane	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,4-Dichlorophenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
1,2,4-Trichlorobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Naphthalene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
4-Chloroaniline	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Hexachlorobutadiene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
4-Chloro-3-methylphenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2-Methylnaphthalene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
1-Methylnaphthalene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Hexachlorocyclopentadiene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,4,6-Trichlorophenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,3-Dichloroaniline	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,4,5-Trichlorophenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2-Chloronaphthalene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2-Nitroaniline	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
1,4-Dinitrobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Dimethylphthalate	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,6-Dinitrotoluene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
1,2-Dinitrobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Acenaphthylene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
3-Nitroaniline	**ND**	0.18	EPA 8270	10-31-09	11-2-09	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-0.5-1009**					
Laboratory ID:	10-238-04					
2,4-Dinitrophenol	**ND**	0.91	EPA 8270	10-31-09	11-2-09	
Acenaphthene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
4-Nitrophenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,4-Dinitrotoluene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Dibenzofuran	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Diethylphthalate	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
4-Chlorophenyl-phenylether	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
4-Nitroaniline	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Fluorene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
4,6-Dinitro-2-methylphenol	**ND**	0.91	EPA 8270	10-31-09	11-2-09	
N-Nitrosodiphenylamine	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
1,2-Diphenylhydrazine	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
4-Bromophenyl-phenylether	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Hexachlorobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Pentachlorophenol	**ND**	0.91	EPA 8270	10-31-09	11-2-09	
Phenanthrene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Anthracene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Carbazole	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Di-n-butylphthalate	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Fluoranthene	**0.043**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Benzidine	**ND**	1.8	EPA 8270	10-31-09	11-2-09	
Pyrene	**0.13**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Butylbenzylphthalate	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
bis-2-Ethylhexyladipate	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
3,3'-Dichlorobenzidine	**ND**	1.8	EPA 8270	10-31-09	11-2-09	
Benzo[a]anthracene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Chrysene	**0.052**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
bis(2-Ethylhexyl)phthalate	**1.4**	0.18	EPA 8270	10-31-09	11-2-09	
Di-n-octylphthalate	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Benzo[b]fluoranthene	**0.10**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Benzo[k]fluoranthene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Benzo[a]pyrene	**0.098**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Indeno[1,2,3-cd]pyrene	**0.075**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Dibenz[a,h]anthracene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Benzo[g,h,i]perylene	**0.12**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*66*	*19 - 97*				
Phenol-d6	*79*	*22 - 108*				
Nitrobenzene-d5	*136*	*21 - 106*				Q
2-Fluorobiphenyl	*77*	*29 - 107*				
2,4,6-Tribromophenol	*58*	*44 - 121*				
Terphenyl-d14	*70*	*37 - 120*				

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1031S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Pyridine	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Phenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Aniline	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Hexachloroethane	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Nitrobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Isophorone	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	10-31-09	10-31-09	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1031S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	10-31-09	10-31-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Dibenzofuran	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Diethylphthalate	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	10-31-09	10-31-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	10-31-09	10-31-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Carbazole	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Benzidine	**ND**	0.33	EPA 8270	10-31-09	10-31-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	10-31-09	10-31-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*76*	*19 - 97*				
Phenol-d6	*78*	*22 - 108*				
Nitrobenzene-d5	*78*	*21 - 106*				
2-Fluorobiphenyl	*75*	*29 - 107*				
2,4,6-Tribromophenol	*73*	*44 - 121*				
Terphenyl-d14	*78*	*37 - 120*				

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-251-03										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**0.977**	**0.984**	1.33	1.33	ND	73	74	38 - 97	1	30	
2-Chlorophenol	**0.872**	**0.864**	1.33	1.33	ND	66	65	28 - 102	1	38	
1,4-Dichlorobenzene	**0.361**	**0.373**	0.667	0.667	ND	54	56	14 - 84	3	41	
N-Nitroso-di-n-propylamine	**0.467**	**0.467**	0.667	0.667	ND	70	70	25 - 104	0	39	
1,2,4-Trichlorobenzene	**0.407**	**0.411**	0.667	0.667	ND	61	62	23 - 93	1	37	
4-Chloro-3-methylphenol	**1.07**	**1.05**	1.33	1.33	ND	80	79	49 - 113	2	31	
Acenaphthene	**0.484**	**0.472**	0.667	0.667	ND	73	71	37 - 101	3	40	
4-Nitrophenol	**0.973**	**0.973**	1.33	1.33	ND	73	73	30 - 136	0	31	
2,4-Dinitrotoluene	**0.484**	**0.471**	0.667	0.667	ND	73	71	36 - 122	3	32	
Pentachlorophenol	**0.901**	**0.828**	1.33	1.33	ND	68	62	15 - 143	8	34	
Pyrene	**0.519**	**0.511**	0.667	0.667	ND	78	77	24 - 138	2	39	
Surrogate:											
2-Fluorophenol						*60*	*58*	*19 - 97*			
Phenol-d6						*66*	*64*	*22 - 108*			
Nitrobenzene-d5						*60*	*59*	*21 - 106*			
2-Fluorobiphenyl						*69*	*66*	*29 - 107*			
2,4,6-Tribromophenol						*67*	*65*	*44 - 121*			
Terphenyl-d14						*72*	*69*	*37 - 120*			

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
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Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 11-2-09
Date Analyzed: 11-2&3-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-238-01
Client ID: NW Pipe-2.0-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.083
Chloromethane	ND		0.41
Vinyl Chloride	ND		0.083
Bromomethane	ND		0.083
Chloroethane	ND		0.41
Trichlorofluoromethane	2.4		0.083
1,1-Dichloroethene	ND		0.083
Acetone	15		8.3
Iodomethane	ND		0.41
Carbon Disulfide	ND		0.083
Methylene Chloride	ND		0.41
(trans) 1,2-Dichloroethene	ND		0.083
Methyl t-Butyl Ether	ND		0.083
1,1-Dichloroethane	ND		0.083
Vinyl Acetate	ND		0.41
2,2-Dichloropropane	ND		0.083
(cis) 1,2-Dichloroethene	ND		0.083
2-Butanone	7.3		0.41
Bromochloromethane	ND		0.083
Chloroform	ND		0.083
1,1,1-Trichloroethane	ND		0.083
Carbon Tetrachloride	ND		0.083
1,1-Dichloropropene	ND		0.083
Benzene	ND		0.083
1,2-Dichloroethane	ND		0.083
Trichloroethene	ND		0.083
1,2-Dichloropropane	ND		0.083
Dibromomethane	ND		0.083
Bromodichloromethane	ND		0.083
2-Chloroethyl Vinyl Ether	ND		0.41
(cis) 1,3-Dichloropropene	ND		0.083
Methyl Isobutyl Ketone	150		8.3
Toluene	79		8.3
(trans) 1,3-Dichloropropene	ND		0.083

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

VOLATILES by EPA 8260B
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Lab ID: 10-238-01
Client ID: NW Pipe-2.0-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.083
Tetrachloroethene	ND		0.083
1,3-Dichloropropane	ND		0.083
2-Hexanone	ND		0.41
Dibromochloromethane	ND		0.083
1,2-Dibromoethane	ND		0.083
Chlorobenzene	ND		0.083
1,1,1,2-Tetrachloroethane	ND		0.083
Ethylbenzene	0.42		0.083
m,p-Xylene	1.2		0.17
o-Xylene	0.29		0.083
Styrene	ND		0.083
Bromoform	ND		0.083
Isopropylbenzene	ND		0.083
Bromobenzene	ND		0.083
1,1,2,2-Tetrachloroethane	ND		0.083
1,2,3-Trichloropropane	ND		0.083
n-Propylbenzene	ND		0.083
2-Chlorotoluene	ND		0.083
4-Chlorotoluene	ND		0.083
1,3,5-Trimethylbenzene	ND		0.083
tert-Butylbenzene	ND		0.083
1,2,4-Trimethylbenzene	ND		0.083
sec-Butylbenzene	ND		0.083
1,3-Dichlorobenzene	ND		0.083
p-Isopropyltoluene	ND		0.083
1,4-Dichlorobenzene	ND		0.083
1,2-Dichlorobenzene	ND		0.083
n-Butylbenzene	ND		0.083
1,2-Dibromo-3-chloropropane	ND		0.41
1,2,4-Trichlorobenzene	ND		0.083
Hexachlorobutadiene	ND		0.41
Naphthalene	ND		0.083
1,2,3-Trichlorobenzene	ND		0.083

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	88	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	85	54-130

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Project: 14697

VOLATILES by EPA 8260B
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Date Extracted: 11-2-09
Date Analyzed: 11-2&3-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-238-02
Client ID: NW Pipe-2.5-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.085
Chloromethane	ND		0.42
Vinyl Chloride	ND		0.085
Bromomethane	ND		0.085
Chloroethane	ND		0.42
Trichlorofluoromethane	ND		0.085
1,1-Dichloroethene	ND		0.085
Acetone	15		0.42
Iodomethane	ND		0.42
Carbon Disulfide	ND		0.085
Methylene Chloride	ND		0.42
(trans) 1,2-Dichloroethene	ND		0.085
Methyl t-Butyl Ether	ND		0.085
1,1-Dichloroethane	ND		0.085
Vinyl Acetate	ND		0.42
2,2-Dichloropropane	ND		0.085
(cis) 1,2-Dichloroethene	ND		0.085
2-Butanone	2.5		0.42
Bromochloromethane	ND		0.085
Chloroform	ND		0.085
1,1,1-Trichloroethane	ND		0.085
Carbon Tetrachloride	ND		0.085
1,1-Dichloropropene	ND		0.085
Benzene	ND		0.085
1,2-Dichloroethane	ND		0.085
Trichloroethene	ND		0.085
1,2-Dichloropropane	ND		0.085
Dibromomethane	ND		0.085
Bromodichloromethane	ND		0.085
2-Chloroethyl Vinyl Ether	ND		0.42
(cis) 1,3-Dichloropropene	ND		0.085
Methyl Isobutyl Ketone	54		8.5
Toluene	ND		0.42
(trans) 1,3-Dichloropropene	ND		0.085

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VOLATILES by EPA 8260B
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Lab ID: 10-238-02
Client ID: NW Pipe-2.5-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.085
Tetrachloroethene	ND		0.085
1,3-Dichloropropane	ND		0.085
2-Hexanone	ND		0.42
Dibromochloromethane	ND		0.085
1,2-Dibromoethane	ND		0.085
Chlorobenzene	ND		0.085
1,1,1,2-Tetrachloroethane	ND		0.085
Ethylbenzene	7.6		0.085
m,p-Xylene	0.88		0.17
o-Xylene	ND		0.085
Styrene	ND		0.085
Bromoform	ND		0.085
Isopropylbenzene	ND		0.085
Bromobenzene	ND		0.085
1,1,2,2-Tetrachloroethane	ND		0.085
1,2,3-Trichloropropane	ND		0.085
n-Propylbenzene	0.091		0.085
2-Chlorotoluene	ND		0.085
4-Chlorotoluene	ND		0.085
1,3,5-Trimethylbenzene	ND		0.085
tert-Butylbenzene	ND		0.085
1,2,4-Trimethylbenzene	ND		0.085
sec-Butylbenzene	ND		0.085
1,3-Dichlorobenzene	ND		0.085
p-Isopropyltoluene	ND		0.085
1,4-Dichlorobenzene	ND		0.085
1,2-Dichlorobenzene	ND		0.085
n-Butylbenzene	ND		0.085
1,2-Dibromo-3-chloropropane	ND		0.42
1,2,4-Trichlorobenzene	ND		0.085
Hexachlorobutadiene	ND		0.42
Naphthalene	ND		0.085
1,2,3-Trichlorobenzene	ND		0.085

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	94	55-125
Toluene-d8	94	56-127
4-Bromofluorobenzene	87	54-130

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VOLATILES by EPA 8260B
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Date Extracted: 11-2&3-09
Date Analyzed: 11-2&3-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-238-03
Client ID: NW Pipe-5.0-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0061
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0061
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	0.12		0.0061
Iodomethane	ND		0.0061
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0061
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0061
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	0.025		0.0061
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0061
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	0.068		0.0061
Toluene	0.24		0.060
(trans) 1,3-Dichloropropene	ND		0.0012

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VOLATILES by EPA 8260B
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Lab ID: 10-238-03
Client ID: NW Pipe-5.0-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0061
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	0.031		0.0012
m,p-Xylene	0.080		0.0024
o-Xylene	0.0087		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	0.012		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	0.012		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	0.0018		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	0.0026		0.0012
sec-Butylbenzene	0.0085		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	0.011		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0061
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0061
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	96	55-125
Toluene-d8	94	56-127
4-Bromofluorobenzene	102	54-130

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VOLATILES by EPA 8260B
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Date Extracted: 11-2&3-09
Date Analyzed: 11-2&3-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-238-04
Client ID: NW Pipe-0.5-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0054
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0054
Trichlorofluoromethane	0.0060		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	0.83		0.32
Iodomethane	ND		0.0054
Carbon Disulfide	ND		0.0011
Methylene Chloride	ND		0.0054
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0054
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	0.047		0.0054
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0054
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	0.20		0.0054
Toluene	1.5		0.32
(trans) 1,3-Dichloropropene	ND		0.0011

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
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Project: 14697

VOLATILES by EPA 8260B
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Lab ID: 10-238-04
Client ID: NW Pipe-0.5-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	0.0060		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0054
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	0.063		0.0011
m,p-Xylene	1.9		0.13
o-Xylene	0.57		0.064
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	0.011		0.0011
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	0.027		0.0011
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	0.78		0.064
tert-Butylbenzene	0.0018		0.0011
1,2,4-Trimethylbenzene	1.4		0.064
sec-Butylbenzene	0.015		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	0.026		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	ND		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0054
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0054
Naphthalene	0.027		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	94	55-125
Toluene-d8	99	56-127
4-Bromofluorobenzene	124	54-130

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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted: 11-2-09
Date Analyzed: 11-2-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1102S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB1102S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	90	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	86	54-130

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Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted: 11-3-09
Date Analyzed: 11-3-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1103S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Lab ID: MB1103S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	101	55-125
Toluene-d8	93	56-127
4-Bromofluorobenzene	84	54-130

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Date Extracted: 11-2-09
Date Analyzed: 11-2-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-228-01

Compound	Sample Amount	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	ND	0.0485/0.0464	0.0357	73	0.0334	72	70-130	
Benzene	ND	0.0485/0.0464	0.0381	78	0.0369	80	70-130	
Trichloroethene	ND	0.0485/0.0464	0.0399	82	0.0394	85	70-124	
Toluene	ND	0.0485/0.0464	0.0385	79	0.0401	86	70-130	
Chlorobenzene	ND	0.0485/0.0464	0.0449	92	0.0433	93	72-127	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	1	14	
Benzene	3	17	
Trichloroethene	4	13	
Toluene	8	16	
Chlorobenzene	1	15	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 11-3-09
Date Analyzed: 11-3-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1103S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0547	109	0.0566	113	70-130	
Benzene	0.0500	0.0478	96	0.0480	96	70-128	
Trichloroethene	0.0500	0.0503	101	0.0500	100	70-124	
Toluene	0.0500	0.0478	96	0.0471	94	73-123	
Chlorobenzene	0.0500	0.0533	107	0.0512	102	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	3	16	
Benzene	0	15	
Trichloroethene	1	14	
Toluene	1	14	
Chlorobenzene	4	13	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

VOLATILES by EPA 8260B
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Date Extracted:	10-30-09
Date Analyzed:	10-30-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	10-238-05
Client ID:	**Trip blank**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	0.34		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

VOLATILES by EPA 8260B
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Lab ID: 10-238-05
Client ID: Trip blank

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	105	71-126
Toluene-d8	97	76-116
4-Bromofluorobenzene	84	70-123

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
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Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1030W2

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB1030W2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	99	71-126
Toluene-d8	95	76-116
4-Bromofluorobenzene	83	70-123

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB1030W2

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	10.0	10.6	106	10.8	108	70-130	
Benzene	10.0	10.9	109	11.3	113	70-130	
Trichloroethene	10.0	10.3	103	10.3	103	70-123	
Toluene	10.0	10.8	108	11.1	111	77-120	
Chlorobenzene	10.0	9.28	93	9.44	94	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	2	21	
Benzene	4	18	
Trichloroethene	0	18	
Toluene	3	17	
Chlorobenzene	2	18	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-238-01					
Client ID:	**NW Pipe-2.0-1009**					
Arsenic	**ND**	14	6010B	11-3-09	11-3-09	
Barium	**400**	34	6010B	11-3-09	11-4-09	
Cadmium	**ND**	0.68	6010B	11-3-09	11-3-09	
Chromium	**9.0**	0.68	6010B	11-3-09	11-3-09	
Lead	**28**	6.8	6010B	11-3-09	11-3-09	
Mercury	**ND**	0.34	7471A	11-4-09	11-4-09	
Selenium	**ND**	14	6010B	11-3-09	11-3-09	
Silver	**ND**	0.68	6010B	11-3-09	11-3-09	
Lab ID:	10-238-02					
Client ID:	**NW Pipe-2.5-1009**					
Arsenic	**ND**	15	6010B	11-3-09	11-3-09	
Barium	**1400**	37	6010B	11-3-09	11-4-09	
Cadmium	**ND**	0.73	6010B	11-3-09	11-3-09	
Chromium	**3.1**	0.73	6010B	11-3-09	11-3-09	
Lead	**ND**	7.3	6010B	11-3-09	11-3-09	
Mercury	**0.83**	0.37	7471A	11-4-09	11-4-09	
Selenium	**ND**	15	6010B	11-3-09	11-3-09	
Silver	**ND**	0.73	6010B	11-3-09	11-3-09	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-238-03					
Client ID:	**NW Pipe-5.0-1009**					
Arsenic	**ND**	11	6010B	11-3-09	11-3-09	
Barium	**24**	2.9	6010B	11-3-09	11-3-09	
Cadmium	**ND**	0.57	6010B	11-3-09	11-3-09	
Chromium	**9.0**	0.57	6010B	11-3-09	11-3-09	
Lead	**ND**	5.7	6010B	11-3-09	11-3-09	
Mercury	**ND**	0.29	7471A	11-4-09	11-4-09	
Selenium	**ND**	11	6010B	11-3-09	11-3-09	
Silver	**ND**	0.57	6010B	11-3-09	11-3-09	
Lab ID:	10-238-04					
Client ID:	**NW Pipe-0.5-1009**					
Arsenic	**ND**	11	6010B	11-3-09	11-3-09	
Barium	**44**	2.7	6010B	11-3-09	11-3-09	
Cadmium	**ND**	0.54	6010B	11-3-09	11-3-09	
Chromium	**22**	0.54	6010B	11-3-09	11-3-09	
Lead	**24**	5.4	6010B	11-3-09	11-3-09	
Mercury	**6.2**	2.7	7471A	11-4-09	11-4-09	
Selenium	**ND**	11	6010B	11-3-09	11-3-09	
Silver	**ND**	0.54	6010B	11-3-09	11-3-09	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 11-3&4-09
Date Analyzed: 11-3&4-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1103S3&MB1104S1

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Barium	6010B	**ND**	2.5
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Selenium	6010B	**ND**	10
Silver	6010B	**ND**	0.50

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 11-3&4-09
Date Analyzed: 11-3&4-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-238-03

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Barium	**20.9**	**23.0**	9	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**7.85**	**7.25**	8	0.50	
Lead	**ND**	**ND**	NA	5.0	
Mercury	**ND**	**ND**	NA	0.25	
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	0.50	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 11-3&4-09
Date Analyzed: 11-3&4-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-238-03

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**99.7**	100	**98.1**	98	2	
Barium	100	**119**	98	**121**	100	2	
Cadmium	50	**47.4**	95	**47.2**	94	1	
Chromium	100	**104**	97	**105**	97	0	
Lead	250	**216**	87	**219**	88	1	
Mercury	0.50	**0.520**	104	**0.515**	103	1	
Selenium	100	**95.7**	96	**94.0**	94	2	
Silver	25	**24.2**	97	**24.1**	96	0	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Lab Traveler: 0910-238
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-2.0-1009**					
Laboratory ID:	10-238-01					
Aroclor 1016	**ND**	0.27	EPA 8082	10-30-09	10-30-09	
Aroclor 1221	**ND**	0.27	EPA 8082	10-30-09	10-30-09	
Aroclor 1232	**ND**	0.27	EPA 8082	10-30-09	10-30-09	
Aroclor 1242	**ND**	0.27	EPA 8082	10-30-09	10-30-09	
Aroclor 1248	**ND**	0.27	EPA 8082	10-30-09	10-30-09	
Aroclor 1254	**ND**	0.27	EPA 8082	10-30-09	10-30-09	
Aroclor 1260	**ND**	0.27	EPA 8082	10-30-09	10-30-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*90*	*33-122*				
Client ID:	**NW Pipe-2.5-1009**					
Laboratory ID:	10-238-02					
Aroclor 1016	**ND**	0.074	EPA 8082	10-30-09	10-30-09	
Aroclor 1221	**ND**	0.074	EPA 8082	10-30-09	10-30-09	
Aroclor 1232	**ND**	0.074	EPA 8082	10-30-09	10-30-09	
Aroclor 1242	**ND**	0.074	EPA 8082	10-30-09	10-30-09	
Aroclor 1248	**ND**	0.074	EPA 8082	10-30-09	10-30-09	
Aroclor 1254	**ND**	0.074	EPA 8082	10-30-09	10-30-09	
Aroclor 1260	**0.69**	0.074	EPA 8082	10-30-09	10-30-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*84*	*33-122*				
Client ID:	**NW Pipe-5.0-1009**					
Laboratory ID:	10-238-03					
Aroclor 1016	**ND**	0.057	EPA 8082	10-30-09	10-30-09	
Aroclor 1221	**ND**	0.057	EPA 8082	10-30-09	10-30-09	
Aroclor 1232	**ND**	0.057	EPA 8082	10-30-09	10-30-09	
Aroclor 1242	**ND**	0.057	EPA 8082	10-30-09	10-30-09	
Aroclor 1248	**ND**	0.057	EPA 8082	10-30-09	10-30-09	
Aroclor 1254	**ND**	0.057	EPA 8082	10-30-09	10-30-09	
Aroclor 1260	**ND**	0.057	EPA 8082	10-30-09	10-30-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*84*	*33-122*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Lab Traveler: 0910-238
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-0.5-1009**					
Laboratory ID:	10-238-04					
Aroclor 1016	**ND**	0.054	EPA 8082	10-30-09	11-4-09	
Aroclor 1221	**ND**	0.054	EPA 8082	10-30-09	11-4-09	
Aroclor 1232	**ND**	0.054	EPA 8082	10-30-09	11-4-09	
Aroclor 1242	**ND**	0.054	EPA 8082	10-30-09	11-4-09	
Aroclor 1248	**ND**	0.054	EPA 8082	10-30-09	11-4-09	
Aroclor 1254	**ND**	0.054	EPA 8082	10-30-09	11-4-09	
Aroclor 1260	**0.16**	0.054	EPA 8082	10-30-09	11-4-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*68*	*33-122*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Lab Traveler: 0910-238
Project: 14697

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1030S1					
Aroclor 1016	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Aroclor 1221	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Aroclor 1232	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Aroclor 1242	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Aroclor 1248	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Aroclor 1254	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Aroclor 1260	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*95*	*33-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-237-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.480**	**0.458**	0.500	0.500	ND	**96**	**92**	24-125	5	18	
Surrogate:											
DCB						*94*	*95*	*33-122*			

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-238-01				
Client ID:	**NW Pipe-2.0-1009**				
TPH-Gas	**290**	8.7	10-30-09	10-30-09	Z1
Surrogate: Fluorobenzene	101%	53-126			
Lab ID:	10-238-02				
Client ID:	**NW Pipe-2.5-1009**				
TPH-Gas	**920**	22	10-30-09	11-2-09	Z1
Surrogate: Fluorobenzene	89%	53-126			
Lab ID:	10-238-03				
Client ID:	**NW Pipe-5.0-1009**				
TPH-Gas	**310**	7.0	10-30-09	10-30-09	Z
Surrogate: Fluorobenzene	100%	53-126			
Lab ID:	10-238-04				
Client ID:	**NW Pipe-0.5-1009**				
TPH-Gas	**380**	6.2	10-30-09	11-2-09	Z
Surrogate: Fluorobenzene	92%	53-126			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1030S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	100%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	10-228-01 **Original**	10-228-01 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	98%	100%		

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-238-01				
Client ID:	**NW Pipe-2.0-1009**				
Diesel Range	**ND**	600	10-31-09	11-1-09	Y,U1
Lube Oil	**1300**	68	10-31-09	11-1-09	Y
Surrogate: o-terphenyl	82%	50-150			
Lab ID:	10-238-02				
Client ID:	**NW Pipe-2.5-1009**				
Diesel Range	**ND**	1000	10-31-09	11-1-09	Y,U1
Lube Oil	**220**	73	10-31-09	11-1-09	Y
Surrogate: o-terphenyl	88%	50-150			
Lab ID:	10-238-03				
Client ID:	**NW Pipe-5.0-1009**				
Diesel Range	**ND**	73	10-31-09	11-1-09	Y,U1
Lube Oil Range	**ND**	57	10-31-09	11-1-09	Y
Surrogate: o-terphenyl	102%	50-150			
Lab ID:	10-238-04				
Client ID:	**NW Pipe-0.5-1009**				
Diesel Range	**ND**	180	10-31-09	11-1-09	Y,U1
Lube Oil	**280**	54	10-31-09	11-1-09	Y
Surrogate: o-terphenyl	63%	50-150			

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	10-31-09
Date Analyzed:	11-1-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1031S1
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	99%
Flags:	Y

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-31-09
Date Analyzed: 11-1-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	10-238-03	10-238-03 DUP
Diesel Range:	**ND**	**ND**
PQL:	64	35
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	102%	89%
Flags:	Y,U1	Y,U1

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

% MOISTURE

Date Analyzed: 10-30-09

Client ID	Lab ID	% Moisture
NW Pipe-2.0-1009	10-238-01	26
NW Pipe-2.5-1009	10-238-02	32
NW Pipe-5.0-1009	10-238-03	13
NW Pipe-0.5-1009	10-238-04	8

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z - The sample chromatogram is similar to mineral spirits.

Z1 - The sample chromatogram is similar to mineral spirits with GRO.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

CHAIN-OF-CUSTODY RECORD

SEA 10016

PROJECT NAME: Kelly-Moore			DATE: 10/29/09 PAGE 1 OF 1
PROJECT NUMBER: 14697	LABORATORY NAME: Onsite	CLIENT INFORMATION: AMEC GMX	REPORTING REQUIREMENTS:
RESULTS TO: Tasya Gray	LABORATORY ADDRESS:	600 University St	10-238
TURNAROUND TIME: Standard		STE 1020	
SAMPLE SHIPMENT METHOD: lab pick-up	LABORATORY CONTACT: Dana Baumeister	Seattle WA 98101	GEOTRACKER REQUIRED YES NO
	LABORATORY PHONE NUMBER: 425 883 3881		SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE):

ANALYSES

	DATE	TIME	SAMPLE NUMBER	SVOCs (8270)	VOCs (8260)	Lead & metals	PCBs	TPH-Gx	TPH-Dx	% Moisture	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
1	10/29/09	810	NW Pipe-2.0-1009	/	/	/	/	/	/	X	8oz jar + VOA	S	Y	None	Y	N	7	
2		820	NW Pipe-2.5-1009	/	/	/	/	/	/			S	Y		Y	N	7	
3		825	NW Pipe-5.0-1009	/	/	/	/	/	/			S	Y		Y	N	7	
4	↓	855	NW Pipe-0.5-1009	/	/	/	/	/	/	↓	↓	S	Y	↓	Y	N	7	
5	—	—	Trip Blank		/						VOA	W	N	HCl	Y	N	2	

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE:	10/29/09	1400	SIGNATURE:	10/29/09	1400
PRINTED NAME: Abby Bazin			PRINTED NAME:		
COMPANY: AMEC GMX			COMPANY: Speedy		
SIGNATURE: Van	10/29/09	1400	SIGNATURE:	10/29/09	1400
PRINTED NAME:			PRINTED NAME: MVOLN		
COMPANY: Speedy			COMPANY: OSE		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		

TOTAL NUMBER OF CONTAINERS:

SAMPLING COMMENTS: Acid wash/Silica gel cleanup for TPH-Dx

One Union Square, 600 University Street, Suite 1020
Seattle, Washington 98101-4107
Tel 206.342.1760 Fax 206.342.1761

Geomatrix

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 10, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0910-238B

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on October 29, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,



David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 10, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238B
Project: 14697

Case Narrative

Samples were collected on October 29, 2009, and received by the laboratory on October 29, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 10, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238B
Project: 14697

TCLP METALS
EPA 1311/6010B/7470A

Matrix: TCLP Extract
Units: mg/L (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-238-01					
Client ID:	**NWPipe-2.0-1009**					
Lead	**ND**	0.20	6010B	11-9-09	11-10-09	
Lab ID:	10-238-02					
Client ID:	**NWPipe-2.5-1009**					
Barium	**0.89**	0.20	6010B	11-9-09	11-10-09	
Mercury	**ND**	0.0050	7470A	11-9-09	11-9-09	
Lab ID:	10-238-04					
Client ID:	**NWPipe-0.5-1009**					
Chromium	**ND**	0.020	6010B	11-9-09	11-9-09	
Lead	**ND**	0.20	6010B	11-9-09	11-9-09	
Mercury	**ND**	0.0050	7470A	11-9-09	11-9-09	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 10, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238B
Project: 14697

TCLP METALS
EPA 1311/6010B/7470A
METHOD BLANK QUALITY CONTROL

Date Prepared:	11-6-09
Date Extracted:	11-9-09
Date Analyzed:	11-9-09
Matrix:	TCLP Extract
Units:	mg/L (ppm)
Lab ID:	MB1109T1&MB1109T2

Analyte	Method	Result	PQL
Barium	6010B	**ND**	0.20
Chromium	6010B	**ND**	0.020
Lead	6010B	**ND**	0.20
Mercury	7470A	**ND**	0.0050

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Date of Report: November 10, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238B
Project: 14697

TCLP METALS
EPA 1311/6010B/7470A
DUPLICATE QUALITY CONTROL

Date Prepared: 11-6-09
Date Extracted: 11-9-09
Date Analyzed: 11-9-09

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 10-238-04

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Barium	**0.578**	**0.574**	1	0.20	
Chromium	**ND**	**ND**	NA	0.020	
Lead	**ND**	**ND**	NA	0.20	
Mercury	**ND**	**ND**	NA	0.0050	

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Date of Report: November 10, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238B
Project: 14697

TCLP METALS
EPA 1311/6010B/7470A
MS/MSD QUALITY CONTROL

Date Prepared: 11-6-09
Date Extracted: 11-9-09
Date Analyzed: 11-9-09

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 10-238-04

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Barium	4.0	**4.85**	107	**4.59**	100	6	
Chromium	4.0	**4.68**	117	**4.42**	111	6	
Lead	10	**11.4**	114	**10.8**	108	5	
Mercury	0.025	**0.0231**	92	**0.0245**	98	6	

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OnSite Environmental Inc.

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C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z - The sample chromatogram is similar to mineral spirits.

Z1 - The sample chromatogram is similar to mineral spirits with GRO.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

CHAIN-OF-CUSTODY RECORD

SEA 10016

PROJECT NAME: Kelly-Moore			DATE: 10/29/09 PAGE 1 OF 1
PROJECT NUMBER: 14697	LABORATORY NAME: Onsite	CLIENT INFORMATION: AMEC GMX	REPORTING REQUIREMENTS:
RESULTS TO: Tasya Gray	LABORATORY ADDRESS:	600 University St	10-238
TURNAROUND TIME: Standard		STE 1020	
SAMPLE SHIPMENT METHOD: lab pick-up	LABORATORY CONTACT: Paul Baumeister	Seattle WA 98101	GEOTRACKER REQUIRED YES NO
	LABORATORY PHONE NUMBER: 425 883 3881		SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE):

ANALYSES

	DATE	TIME	SAMPLE NUMBER	SVOCs (8270)	VOCs (8260)	Izpra 8 metals	PCBs	TPH-Gx	TPH-Dx	TCLP Hg	TCLP Pb	TCLP Cr	TCLP Ba				90 MS/MSD	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
1	10/29/09	810	NW Pipe-2.0-1009	/	/	/	/	/	/		⊗						X	8oz jar + VOA	S	1	None	4	2	7	
2		820	NW Pipe-2.5-1009	/	/	/	/	/	/	⊗			⊗						S	1		4	2	7	
3		825	NW Pipe-5.0-1009	/	/	/	/	/	/										S	1		4	2	7	
4	↓	855	NW Pipe-0.5-1009	/	/	/	/	/	/	⊗	⊗	⊗					↓	↓	S	1	↓	4	2	7	
5	—	—	Trip blank		/													VOA	W	N	HCl	4	2	2	

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE:			SIGNATURE: Van		
PRINTED NAME: Abby Bazin	10/29/09	1400	PRINTED NAME:	10/29/09	1400
COMPANY: AMEC GMX			COMPANY: Speedy		
SIGNATURE: Van			SIGNATURE:		
PRINTED NAME:	10/29/09	1400	PRINTED NAME: MVOU	10/29/30	1400
COMPANY: Speedy			COMPANY: OSE		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		

TOTAL NUMBER OF CONTAINERS:

SAMPLING COMMENTS: Acid wash/Silica gel cleanup for TPH-Dx

⊗ Added 11/6/09. DB (2 day TAT)

One Union Square, 600 University Street, Suite 1020
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Geomatrix

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 25, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0911-103

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on November 13, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

Case Narrative

Samples were collected on November 13, 2009, and received by the laboratory on November 13, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Volatiles EPA 8260B Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Some MTCA Method A cleanup levels are non-achievable for samples TP4-8-1109 and Product-W2b Wall-1109 due to the necessary dilution of the samples.

Internal Standard 1,4-Dichlorobenzene-d4 does not meet acceptance criteria for sample TP4-1-1109 due to sample matrix effects. The sample was re-analyzed with similar results. All results, including Practical Quantitation Limits, from Bromobenzene onward should be considered estimates.

Please note any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	11-103-01				
Client ID:	**TP4-8-1109**				
TPH-Gas	**970**	11	11-18-09	11-18-09	Z
Surrogate: Fluorobenzene	102%	53-126			
Lab ID:	11-103-02				
Client ID:	**Product-W2b Wall-1109**				
TPH-Gas	**760**	110	11-18-09	11-19-09	Z
Surrogate: Fluorobenzene	96%	53-126			
Lab ID:	11-103-03				
Client ID:	**Product-W1b Wall-1109**				
TPH-Gas	**120**	12	11-18-09	11-19-09	Z
Surrogate: Fluorobenzene	100%	53-126			
Lab ID:	11-103-05				
Client ID:	**TP4-1-1109**				
TPH-Gas	**ND**	8.3	11-18-09	11-18-09	
Surrogate: Fluorobenzene	98%	53-126			

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NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted:	11-18-09
Date Analyzed:	11-18-09
Matrix: Soil	
Units: mg/kg (ppm)	
Lab ID:	MB1118S2

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	91%		

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Date of Report: November 25, 2009
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NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 11-18-09
Date Analyzed: 11-18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	11-117-15 **Original**	11-117-15 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	107%	110%		

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NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	11-103-01				
Client ID:	**TP4-8-1109**				
Diesel Range	**ND**	54	11-20-09	11-20-09	Y,U1
Lube Oil Range	**ND**	55	11-20-09	11-20-09	Y
Surrogate: o-terphenyl	71%	50-150			
Lab ID:	11-103-02				
Client ID:	**Product-W2b Wall-1109**				
Diesel Range	**ND**	97	11-20-09	11-20-09	Y,U1
Lube Oil Range	**ND**	54	11-20-09	11-20-09	Y
Surrogate: o-terphenyl	84%	50-150			
Lab ID:	11-103-03				
Client ID:	**Product-W1b Wall-1109**				
Diesel Range	**ND**	28	11-20-09	11-20-09	Y
Lube Oil Range	**ND**	56	11-20-09	11-20-09	Y
Surrogate: o-terphenyl	86%	50-150			
Lab ID:	11-103-05				
Client ID:	**TP4-1-1109**				
Diesel Range	**ND**	34	11-20-09	11-20-09	Y
Lube Oil Range	**ND**	68	11-20-09	11-20-09	Y
Surrogate: o-terphenyl	77%	50-150			

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NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	11-20-09
Date Analyzed:	11-20-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1120S1
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	85%
Flags:	Y

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NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	11-20-09
Date Analyzed:	11-20-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	11-132-01	11-132-01 DUP
Diesel Range:	**ND**	**ND**
PQL:	25	25
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	71%	76%
Flags:	Y	Y

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Date Extracted: 11-16-09
Date Analyzed: 11-16&17-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-103-01
Client ID: TP4-8-1109

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.056
Chloromethane	ND		0.28
Vinyl Chloride	ND		0.056
Bromomethane	ND		0.056
Chloroethane	ND		0.28
Trichlorofluoromethane	ND		0.056
1,1-Dichloroethene	ND		0.056
Acetone	ND		0.28
Iodomethane	ND		0.28
Carbon Disulfide	ND		0.056
Methylene Chloride	ND		0.28
(trans) 1,2-Dichloroethene	ND		0.056
Methyl t-Butyl Ether	ND		0.056
1,1-Dichloroethane	ND		0.056
Vinyl Acetate	ND		0.28
2,2-Dichloropropane	ND		0.056
(cis) 1,2-Dichloroethene	ND		0.056
2-Butanone	ND		0.28
Bromochloromethane	ND		0.056
Chloroform	ND		0.056
1,1,1-Trichloroethane	ND		0.056
Carbon Tetrachloride	ND		0.056
1,1-Dichloropropene	ND		0.056
Benzene	ND		0.056
1,2-Dichloroethane	ND		0.056
Trichloroethene	ND		0.056
1,2-Dichloropropane	ND		0.056
Dibromomethane	ND		0.056
Bromodichloromethane	ND		0.056
2-Chloroethyl Vinyl Ether	ND		0.28
(cis) 1,3-Dichloropropene	ND		0.056
Methyl Isobutyl Ketone	ND		0.28
Toluene	ND		0.28
(trans) 1,3-Dichloropropene	ND		0.056

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Lab ID: 11-103-01
Client ID: TP4-8-1109

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.056
Tetrachloroethene	ND		0.056
1,3-Dichloropropane	ND		0.056
2-Hexanone	ND		0.28
Dibromochloromethane	ND		0.056
1,2-Dibromoethane	ND		0.056
Chlorobenzene	ND		0.056
1,1,1,2-Tetrachloroethane	ND		0.056
Ethylbenzene	4.2		1.1
m,p-Xylene	5.1		0.11
o-Xylene	0.32		0.056
Styrene	ND		0.056
Bromoform	ND		0.056
Isopropylbenzene	0.68		0.056
Bromobenzene	ND		0.056
1,1,2,2-Tetrachloroethane	ND		0.056
1,2,3-Trichloropropane	ND		0.056
n-Propylbenzene	1.1		0.056
2-Chlorotoluene	ND		0.056
4-Chlorotoluene	ND		0.056
1,3,5-Trimethylbenzene	0.45		0.056
tert-Butylbenzene	ND		0.056
1,2,4-Trimethylbenzene	1.0		0.056
sec-Butylbenzene	0.10		0.056
1,3-Dichlorobenzene	ND		0.056
p-Isopropyltoluene	0.097		0.056
1,4-Dichlorobenzene	ND		0.056
1,2-Dichlorobenzene	ND		0.056
n-Butylbenzene	ND		0.056
1,2-Dibromo-3-chloropropane	ND		0.28
1,2,4-Trichlorobenzene	ND		0.056
Hexachlorobutadiene	ND		0.28
Naphthalene	0.18		0.056
1,2,3-Trichlorobenzene	ND		0.056

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	105	55-125
Toluene-d8	98	56-127
4-Bromofluorobenzene	86	54-130

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Date Extracted: 11-16-09
Date Analyzed: 11-17-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-103-02
Client ID: Product-W2b Wall-1109

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.059
Chloromethane	ND		0.30
Vinyl Chloride	ND		0.059
Bromomethane	ND		0.059
Chloroethane	ND		0.30
Trichlorofluoromethane	ND		0.059
1,1-Dichloroethene	ND		0.059
Acetone	ND		0.30
Iodomethane	ND		0.30
Carbon Disulfide	ND		0.059
Methylene Chloride	ND		0.30
(trans) 1,2-Dichloroethene	ND		0.059
Methyl t-Butyl Ether	ND		0.059
1,1-Dichloroethane	ND		0.059
Vinyl Acetate	ND		0.30
2,2-Dichloropropane	ND		0.059
(cis) 1,2-Dichloroethene	ND		0.059
2-Butanone	ND		0.30
Bromochloromethane	ND		0.059
Chloroform	ND		0.059
1,1,1-Trichloroethane	ND		0.059
Carbon Tetrachloride	ND		0.059
1,1-Dichloropropene	ND		0.059
Benzene	ND		0.059
1,2-Dichloroethane	ND		0.059
Trichloroethene	ND		0.059
1,2-Dichloropropane	ND		0.059
Dibromomethane	ND		0.059
Bromodichloromethane	ND		0.059
2-Chloroethyl Vinyl Ether	ND		0.30
(cis) 1,3-Dichloropropene	ND		0.059
Methyl Isobutyl Ketone	ND		0.30
Toluene	0.47		0.30
(trans) 1,3-Dichloropropene	ND		0.059

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Lab ID: 11-103-02
Client ID: Product-W2b Wall-1109

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.059
Tetrachloroethene	ND		0.059
1,3-Dichloropropane	ND		0.059
2-Hexanone	ND		0.30
Dibromochloromethane	ND		0.059
1,2-Dibromoethane	ND		0.059
Chlorobenzene	ND		0.059
1,1,1,2-Tetrachloroethane	ND		0.059
Ethylbenzene	1.2		0.059
m,p-Xylene	2.1		0.12
o-Xylene	0.28		0.059
Styrene	ND		0.059
Bromoform	ND		0.059
Isopropylbenzene	0.44		0.059
Bromobenzene	ND		0.059
1,1,2,2-Tetrachloroethane	ND		0.059
1,2,3-Trichloropropane	ND		0.059
n-Propylbenzene	0.52		0.059
2-Chlorotoluene	ND		0.059
4-Chlorotoluene	ND		0.059
1,3,5-Trimethylbenzene	0.071		0.059
tert-Butylbenzene	ND		0.059
1,2,4-Trimethylbenzene	0.12		0.059
sec-Butylbenzene	0.093		0.059
1,3-Dichlorobenzene	ND		0.059
p-Isopropyltoluene	ND		0.059
1,4-Dichlorobenzene	ND		0.059
1,2-Dichlorobenzene	ND		0.059
n-Butylbenzene	0.087		0.059
1,2-Dibromo-3-chloropropane	ND		0.30
1,2,4-Trichlorobenzene	ND		0.059
Hexachlorobutadiene	ND		0.30
Naphthalene	ND		0.059
1,2,3-Trichlorobenzene	ND		0.059

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	107	55-125
Toluene-d8	100	56-127
4-Bromofluorobenzene	109	54-130

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Date Extracted: 11-16-09
Date Analyzed: 11-16-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-103-03
Client ID: Product-W1b Wall-1109

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0057
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0057
Trichlorofluoromethane	ND		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	0.21		0.0057
Iodomethane	ND		0.0057
Carbon Disulfide	ND		0.0011
Methylene Chloride	ND		0.0057
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0057
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	0.033		0.0057
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0057
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	ND		0.0057
Toluene	ND		0.0057
(trans) 1,3-Dichloropropene	ND		0.0011

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Lab ID: 11-103-03
Client ID: Product-W1b Wall-1109

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	ND		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0057
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	0.67		0.063
m,p-Xylene	0.018		0.0023
o-Xylene	ND		0.0011
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	0.19		0.063
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	0.33		0.063
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	0.018		0.0011
tert-Butylbenzene	0.0043		0.0011
1,2,4-Trimethylbenzene	0.042		0.0011
sec-Butylbenzene	0.063		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	0.0072		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	0.038		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0057
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0057
Naphthalene	0.0030		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	105	55-125
Toluene-d8	94	56-127
4-Bromofluorobenzene	82	54-130

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Date Extracted: 11-16-09
Date Analyzed: 11-16-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-103-05
Client ID: TP4-1-1109

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0027
Chloromethane	ND		0.013
Vinyl Chloride	ND		0.0027
Bromomethane	ND		0.0027
Chloroethane	ND		0.013
Trichlorofluoromethane	ND		0.0027
1,1-Dichloroethene	ND		0.0027
Acetone	ND		0.013
Iodomethane	ND		0.013
Carbon Disulfide	ND		0.0027
Methylene Chloride	ND		0.013
(trans) 1,2-Dichloroethene	ND		0.0027
Methyl t-Butyl Ether	ND		0.0027
1,1-Dichloroethane	ND		0.0027
Vinyl Acetate	ND		0.013
2,2-Dichloropropane	ND		0.0027
(cis) 1,2-Dichloroethene	ND		0.0027
2-Butanone	ND		0.013
Bromochloromethane	ND		0.0027
Chloroform	ND		0.0027
1,1,1-Trichloroethane	ND		0.0027
Carbon Tetrachloride	ND		0.0027
1,1-Dichloropropene	ND		0.0027
Benzene	ND		0.0027
1,2-Dichloroethane	ND		0.0027
Trichloroethene	ND		0.0027
1,2-Dichloropropane	ND		0.0027
Dibromomethane	ND		0.0027
Bromodichloromethane	ND		0.0027
2-Chloroethyl Vinyl Ether	ND		0.013
(cis) 1,3-Dichloropropene	ND		0.0027
Methyl Isobutyl Ketone	ND		0.013
Toluene	ND		0.013
(trans) 1,3-Dichloropropene	ND		0.0027

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Lab ID: 11-103-05
Client ID: TP4-1-1109

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0027
Tetrachloroethene	ND		0.0027
1,3-Dichloropropane	ND		0.0027
2-Hexanone	ND		0.013
Dibromochloromethane	ND		0.0027
1,2-Dibromoethane	ND		0.0027
Chlorobenzene	ND		0.0027
1,1,1,2-Tetrachloroethane	ND		0.0027
Ethylbenzene	0.0074		0.0027
m,p-Xylene	0.014		0.0053
o-Xylene	ND		0.0027
Styrene	ND		0.0027
Bromoform	ND		0.0027
Isopropylbenzene	ND		0.0027
Bromobenzene	ND		0.0027
1,1,2,2-Tetrachloroethane	ND		0.0027
1,2,3-Trichloropropane	ND		0.0027
n-Propylbenzene	ND		0.0027
2-Chlorotoluene	ND		0.0027
4-Chlorotoluene	ND		0.0027
1,3,5-Trimethylbenzene	ND		0.0027
tert-Butylbenzene	ND		0.0027
1,2,4-Trimethylbenzene	ND		0.0027
sec-Butylbenzene	ND		0.0027
1,3-Dichlorobenzene	ND		0.0027
p-Isopropyltoluene	ND		0.0027
1,4-Dichlorobenzene	ND		0.0027
1,2-Dichlorobenzene	ND		0.0027
n-Butylbenzene	ND		0.0027
1,2-Dibromo-3-chloropropane	ND		0.013
1,2,4-Trichlorobenzene	ND		0.0027
Hexachlorobutadiene	ND		0.013
Naphthalene	ND		0.0027
1,2,3-Trichlorobenzene	ND		0.0027

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	104	55-125
Toluene-d8	100	56-127
4-Bromofluorobenzene	78	54-130

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted: 11-16-09
Date Analyzed: 11-16-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1116S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Lab ID: MB1116S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	110	55-125
Toluene-d8	99	56-127
4-Bromofluorobenzene	89	54-130

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 11-16-09
Date Analyzed: 11-16-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1116S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits
1,1-Dichloroethene	0.0500	0.0570	114	0.0592	118	70-130
Benzene	0.0500	0.0514	103	0.0508	102	70-128
Trichloroethene	0.0500	0.0508	102	0.0513	103	70-124
Toluene	0.0500	0.0485	97	0.0476	95	73-123
Chlorobenzene	0.0500	0.0461	92	0.0463	93	73-115

	RPD	RPD Limit	Flags
1,1-Dichloroethene	4	16	
Benzene	1	15	
Trichloroethene	1	14	
Toluene	2	14	
Chlorobenzene	0	13	

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Project: 14697

VOLATILES by EPA 8260B
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Date Extracted: 11-16-09
Date Analyzed: 11-16-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 11-103-06
Client ID: Trip Blank

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	0.20		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: November 25, 2009
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Project: 14697

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Lab ID: 11-103-06
Client ID: Trip Blank

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	87	71-126
Toluene-d8	91	76-116
4-Bromofluorobenzene	87	70-123

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Date of Report: November 25, 2009
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Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted: 11-16-09
Date Analyzed: 11-16-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1116W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Lab ID: MB1116W1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	91	71-126
Toluene-d8	90	76-116
4-Bromofluorobenzene	90	70-123

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 11-16-09
Date Analyzed: 11-16-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB1116W1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits
1,1-Dichloroethene	10.0	10.6	106	10.9	109	70-130
Benzene	10.0	9.85	99	10.1	101	70-130
Trichloroethene	10.0	9.98	100	9.97	100	70-123
Toluene	10.0	9.83	98	9.81	98	77-120
Chlorobenzene	10.0	10.3	103	10.1	101	73-115

	RPD	RPD Limit	Flags
1,1-Dichloroethene	3	21	
Benzene	3	18	
Trichloroethene	0	18	
Toluene	0	17	
Chlorobenzene	2	18	

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Date of Report: November 25, 2009
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Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TP4-8-1109**					
Laboratory ID:	11-103-01					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Pyridine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Phenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Aniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Hexachloroethane	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Nitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Isophorone	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Naphthalene	**0.091**	0.037	EPA 8270	11-20-09	11-20-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Methylnaphthalene	**0.040**	0.037	EPA 8270	11-20-09	11-20-09	
1-Methylnaphthalene	**0.018**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Acenaphthylene	**ND**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TP4-8-1109**					
Laboratory ID:	11-103-01					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	11-20-09	11-20-09	
Acenaphthene	**ND**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Dibenzofuran	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Diethylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Fluorene	**0.0093**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	11-20-09	11-20-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Pentachlorophenol	**ND**	0.18	EPA 8270	11-20-09	11-20-09	
Phenanthrene	**0.054**	0.037	EPA 8270	11-20-09	11-20-09	
Anthracene	**0.0084**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Carbazole	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Fluoranthene	**0.046**	0.037	EPA 8270	11-20-09	11-20-09	
Benzidine	**ND**	0.37	EPA 8270	11-20-09	11-20-09	
Pyrene	**0.052**	0.037	EPA 8270	11-20-09	11-20-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	11-20-09	11-20-09	
Benzo[a]anthracene	**0.017**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Chrysene	**0.020**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Benzo[b]fluoranthene	**0.016**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[k]fluoranthene	**0.013**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[a]pyrene	**0.013**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Indeno[1,2,3-cd]pyrene	**0.0099**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Dibenz[a,h]anthracene	**ND**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[g,h,i]perylene	**0.012**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorophenol	***68***	***19 - 97***				
Phenol-d6	***71***	***22 - 108***				
Nitrobenzene-d5	***62***	***21 - 106***				
2-Fluorobiphenyl	***74***	***29 - 107***				
2,4,6-Tribromophenol	***85***	***44 - 121***				
Terphenyl-d14	***89***	***37 - 120***				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-W2b Wall-1109**					
Laboratory ID:	11-103-02					
N-Nitrosodimethylamine	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Pyridine	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Phenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Aniline	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroethyl)ether	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2-Chlorophenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
1,3-Dichlorobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
1,4-Dichlorobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Benzyl alcohol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
1,2-Dichlorobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Hexachloroethane	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Nitrobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Isophorone	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2-Nitrophenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,4-Dimethylphenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,4-Dichlorophenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
1,2,4-Trichlorobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Naphthalene	**0.014**	0.0072	EPA 8270/SIM	11-20-09	11-23-09	
4-Chloroaniline	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Hexachlorobutadiene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
4-Chloro-3-methylphenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2-Methylnaphthalene	**0.011**	0.0072	EPA 8270/SIM	11-20-09	11-23-09	
1-Methylnaphthalene	**0.0085**	0.0072	EPA 8270/SIM	11-20-09	11-23-09	
Hexachlorocyclopentadiene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,4,6-Trichlorophenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,3-Dichloroaniline	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,4,5-Trichlorophenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2-Chloronaphthalene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2-Nitroaniline	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
1,4-Dinitrobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Dimethylphthalate	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
1,3-Dinitrobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,6-Dinitrotoluene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
1,2-Dinitrobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Acenaphthylene	**ND**	0.0072	EPA 8270/SIM	11-20-09	11-23-09	
3-Nitroaniline	**ND**	0.036	EPA 8270	11-20-09	11-23-09	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-W2b Wall-1109**					
Laboratory ID:	11-103-02					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	11-20-09	11-23-09	
Acenaphthene	**ND**	0.0072	EPA 8270/SIM	11-20-09	11-23-09	
4-Nitrophenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,4-Dinitrotoluene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Dibenzofuran	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Diethylphthalate	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
4-Chlorophenyl-phenylether	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
4-Nitroaniline	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Fluorene	**0.0076**	0.0072	EPA 8270/SIM	11-20-09	11-23-09	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	11-20-09	11-23-09	
N-Nitrosodiphenylamine	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
1,2-Diphenylhydrazine	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
4-Bromophenyl-phenylether	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Hexachlorobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Pentachlorophenol	**ND**	0.18	EPA 8270	11-20-09	11-23-09	
Phenanthrene	**0.049**	0.036	EPA 8270	11-20-09	11-23-09	
Anthracene	**0.014**	0.0072	EPA 8270/SIM	11-20-09	11-23-09	
Carbazole	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Di-n-butylphthalate	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Fluoranthene	**0.11**	0.036	EPA 8270	11-20-09	11-23-09	
Benzidine	**ND**	0.36	EPA 8270	11-20-09	11-23-09	
Pyrene	**0.14**	0.036	EPA 8270	11-20-09	11-23-09	
Butylbenzylphthalate	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
bis-2-Ethylhexyladipate	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
3,3'-Dichlorobenzidine	**ND**	0.36	EPA 8270	11-20-09	11-23-09	
Benzo[a]anthracene	**0.043**	0.036	EPA 8270	11-20-09	11-23-09	
Chrysene	**0.054**	0.036	EPA 8270	11-20-09	11-23-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Di-n-octylphthalate	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Benzo[b]fluoranthene	**0.044**	0.036	EPA 8270	11-20-09	11-23-09	
Benzo[k]fluoranthene	**0.043**	0.036	EPA 8270	11-20-09	11-23-09	
Benzo[a]pyrene	**0.058**	0.036	EPA 8270	11-20-09	11-23-09	
Indeno[1,2,3-cd]pyrene	**0.040**	0.036	EPA 8270	11-20-09	11-23-09	
Dibenz[a,h]anthracene	**0.0083**	0.0072	EPA 8270/SIM	11-20-09	11-23-09	
Benzo[g,h,i]perylene	**0.049**	0.036	EPA 8270	11-20-09	11-23-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorophenol	***64***	***19 - 97***				
Phenol-d6	***71***	***22 - 108***				
Nitrobenzene-d5	***66***	***21 - 106***				
2-Fluorobiphenyl	***75***	***29 - 107***				
2,4,6-Tribromophenol	***92***	***44 - 121***				
Terphenyl-d14	***99***	***37 - 120***				

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-W1b Wall-1109**					
Laboratory ID:	11-103-03					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Pyridine	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Phenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Aniline	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Hexachloroethane	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Nitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Isophorone	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Naphthalene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2-Methylnaphthalene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
1-Methylnaphthalene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Acenaphthylene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-23-09	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-W1b Wall-1109**					
Laboratory ID:	11-103-03					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	11-20-09	11-23-09	
Acenaphthene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Dibenzofuran	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Diethylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Fluorene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	11-20-09	11-23-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	11-20-09	11-23-09	
Phenanthrene	**0.012**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Anthracene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Carbazole	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Fluoranthene	**0.0098**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Benzidine	**ND**	0.37	EPA 8270	11-20-09	11-23-09	
Pyrene	**0.011**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	11-20-09	11-23-09	
Benzo[a]anthracene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Chrysene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Benzo[b]fluoranthene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Benzo[k]fluoranthene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Benzo[a]pyrene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Dibenz[a,h]anthracene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Benzo[g,h,i]perylene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorophenol	***67***	***19 - 97***				
Phenol-d6	***77***	***22 - 108***				
Nitrobenzene-d5	***63***	***21 - 106***				
2-Fluorobiphenyl	***76***	***29 - 107***				
2,4,6-Tribromophenol	***85***	***44 - 121***				
Terphenyl-d14	***92***	***37 - 120***				

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 4-B2-1109**					
Laboratory ID:	11-103-04					
N-Nitrosodimethylamine	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Pyridine	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Phenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Aniline	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroethyl)ether	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2-Chlorophenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
1,3-Dichlorobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
1,4-Dichlorobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Benzyl alcohol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
1,2-Dichlorobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Hexachloroethane	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Nitrobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Isophorone	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2-Nitrophenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,4-Dimethylphenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,4-Dichlorophenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
1,2,4-Trichlorobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Naphthalene	**ND**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
4-Chloroaniline	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Hexachlorobutadiene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
4-Chloro-3-methylphenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2-Methylnaphthalene	**ND**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
1-Methylnaphthalene	**ND**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
Hexachlorocyclopentadiene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,4,6-Trichlorophenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,3-Dichloroaniline	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,4,5-Trichlorophenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2-Chloronaphthalene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2-Nitroaniline	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
1,4-Dinitrobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Dimethylphthalate	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
1,3-Dinitrobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,6-Dinitrotoluene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
1,2-Dinitrobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Acenaphthylene	**ND**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
3-Nitroaniline	**ND**	0.040	EPA 8270	11-20-09	11-23-09	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 4-B2-1109**					
Laboratory ID:	11-103-04					
2,4-Dinitrophenol	**ND**	0.20	EPA 8270	11-20-09	11-23-09	
Acenaphthene	**ND**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
4-Nitrophenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,4-Dinitrotoluene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Dibenzofuran	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Diethylphthalate	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
4-Chlorophenyl-phenylether	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
4-Nitroaniline	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Fluorene	**ND**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
4,6-Dinitro-2-methylphenol	**ND**	0.20	EPA 8270	11-20-09	11-23-09	
N-Nitrosodiphenylamine	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
1,2-Diphenylhydrazine	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
4-Bromophenyl-phenylether	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Hexachlorobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Pentachlorophenol	**ND**	0.20	EPA 8270	11-20-09	11-23-09	
Phenanthrene	**0.011**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
Anthracene	**ND**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
Carbazole	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Di-n-butylphthalate	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Fluoranthene	**0.049**	0.040	EPA 8270	11-20-09	11-23-09	
Benzidine	**ND**	0.40	EPA 8270	11-20-09	11-23-09	
Pyrene	**0.056**	0.040	EPA 8270	11-20-09	11-23-09	
Butylbenzylphthalate	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
bis-2-Ethylhexyladipate	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
3,3'-Dichlorobenzidine	**ND**	0.40	EPA 8270	11-20-09	11-23-09	
Benzo[a]anthracene	**0.045**	0.040	EPA 8270	11-20-09	11-23-09	
Chrysene	**0.065**	0.040	EPA 8270	11-20-09	11-23-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Di-n-octylphthalate	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Benzo[b]fluoranthene	**0.076**	0.040	EPA 8270	11-20-09	11-23-09	
Benzo[k]fluoranthene	**0.057**	0.040	EPA 8270	11-20-09	11-23-09	
Benzo[a]pyrene	**0.054**	0.040	EPA 8270	11-20-09	11-23-09	
Indeno[1,2,3-cd]pyrene	**0.047**	0.040	EPA 8270	11-20-09	11-23-09	
Dibenz[a,h]anthracene	**0.012**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
Benzo[g,h,i]perylene	**0.055**	0.040	EPA 8270	11-20-09	11-23-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorophenol	***91***	***19 - 97***				
Phenol-d6	***90***	***22 - 108***				
Nitrobenzene-d5	***88***	***21 - 106***				
2-Fluorobiphenyl	***87***	***29 - 107***				
2,4,6-Tribromophenol	***91***	***44 - 121***				
Terphenyl-d14	***96***	***37 - 120***				

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TP4-1-1109**					
Laboratory ID:	11-103-05					
N-Nitrosodimethylamine	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Pyridine	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Phenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Aniline	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroethyl)ether	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2-Chlorophenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
1,3-Dichlorobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
1,4-Dichlorobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Benzyl alcohol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
1,2-Dichlorobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Hexachloroethane	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Nitrobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Isophorone	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2-Nitrophenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,4-Dimethylphenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,4-Dichlorophenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
1,2,4-Trichlorobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Naphthalene	**ND**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
4-Chloroaniline	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Hexachlorobutadiene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
4-Chloro-3-methylphenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2-Methylnaphthalene	**ND**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
1-Methylnaphthalene	**ND**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
Hexachlorocyclopentadiene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,4,6-Trichlorophenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,3-Dichloroaniline	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,4,5-Trichlorophenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2-Chloronaphthalene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2-Nitroaniline	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
1,4-Dinitrobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Dimethylphthalate	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
1,3-Dinitrobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,6-Dinitrotoluene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
1,2-Dinitrobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Acenaphthylene	**ND**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
3-Nitroaniline	**ND**	0.046	EPA 8270	11-20-09	11-23-09	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TP4-1-1109**					
Laboratory ID:	11-103-05					
2,4-Dinitrophenol	**ND**	0.23	EPA 8270	11-20-09	11-23-09	
Acenaphthene	**ND**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
4-Nitrophenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,4-Dinitrotoluene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Dibenzofuran	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Diethylphthalate	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
4-Chlorophenyl-phenylether	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
4-Nitroaniline	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Fluorene	**ND**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
4,6-Dinitro-2-methylphenol	**ND**	0.23	EPA 8270	11-20-09	11-23-09	
N-Nitrosodiphenylamine	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
1,2-Diphenylhydrazine	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
4-Bromophenyl-phenylether	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Hexachlorobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Pentachlorophenol	**ND**	0.23	EPA 8270	11-20-09	11-23-09	
Phenanthrene	**0.024**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
Anthracene	**ND**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
Carbazole	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Di-n-butylphthalate	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Fluoranthene	**0.055**	0.046	EPA 8270	11-20-09	11-23-09	
Benzidine	**ND**	0.46	EPA 8270	11-20-09	11-23-09	
Pyrene	**0.058**	0.046	EPA 8270	11-20-09	11-23-09	
Butylbenzylphthalate	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
bis-2-Ethylhexyladipate	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
3,3'-Dichlorobenzidine	**ND**	0.46	EPA 8270	11-20-09	11-23-09	
Benzo[a]anthracene	**0.034**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
Chrysene	**0.050**	0.046	EPA 8270	11-20-09	11-23-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Di-n-octylphthalate	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Benzo[b]fluoranthene	**0.061**	0.046	EPA 8270	11-20-09	11-23-09	
Benzo[k]fluoranthene	**0.040**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
Benzo[a]pyrene	**0.055**	0.046	EPA 8270	11-20-09	11-23-09	
Indeno[1,2,3-cd]pyrene	**0.028**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
Dibenz[a,h]anthracene	**0.011**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
Benzo[g,h,i]perylene	**0.050**	0.046	EPA 8270	11-20-09	11-23-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorophenol	***71***	***19 - 97***				
Phenol-d6	***75***	***22 - 108***				
Nitrobenzene-d5	***74***	***21 - 106***				
2-Fluorobiphenyl	***77***	***29 - 107***				
2,4,6-Tribromophenol	***77***	***44 - 121***				
Terphenyl-d14	***90***	***37 - 120***				

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1120S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Pyridine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Phenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Aniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Hexachloroethane	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Nitrobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Isophorone	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1120S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	11-20-09	11-20-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Dibenzofuran	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Diethylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	11-20-09	11-20-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	11-20-09	11-20-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Carbazole	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Benzidine	**ND**	0.33	EPA 8270	11-20-09	11-20-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	11-20-09	11-20-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorophenol	***70***	***19 - 97***				
Phenol-d6	***74***	***22 - 108***				
Nitrobenzene-d5	***74***	***21 - 106***				
2-Fluorobiphenyl	***78***	***29 - 107***				
2,4,6-Tribromophenol	***93***	***44 - 121***				
Terphenyl-d14	***98***	***37 - 120***				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
Laboratory ID:	11-132-01										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**0.946**	**1.03**	1.33	1.33	ND	71	77	38 - 97	9	30	
2-Chlorophenol	**0.937**	**1.00**	1.33	1.33	ND	70	75	28 - 102	7	38	
1,4-Dichlorobenzene	**0.350**	**0.391**	0.667	0.667	ND	52	59	14 - 84	11	41	
N-Nitroso-di-n-propylamine	**0.442**	**0.471**	0.667	0.667	ND	66	71	25 - 104	6	39	
1,2,4-Trichlorobenzene	**0.405**	**0.443**	0.667	0.667	ND	61	66	23 - 93	9	37	
4-Chloro-3-methylphenol	**1.03**	**1.11**	1.33	1.33	ND	77	83	49 - 113	7	31	
Acenaphthene	**0.449**	**0.496**	0.667	0.667	ND	67	74	37 - 101	10	40	
4-Nitrophenol	**1.02**	**1.10**	1.33	1.33	ND	77	83	30 - 136	8	31	
2,4-Dinitrotoluene	**0.482**	**0.508**	0.667	0.667	ND	72	76	36 - 122	5	32	
Pentachlorophenol	**1.19**	**1.21**	1.33	1.33	ND	89	91	15 - 143	2	34	
Pyrene	**0.569**	**0.811**	0.667	0.667	0.0663	75	112	24 - 138	35	39	
Surrogate:											
2-Fluorophenol						***72***	***77***	***19 - 97***			
Phenol-d6						***71***	***76***	***22 - 108***			
Nitrobenzene-d5						***71***	***76***	***21 - 106***			
2-Fluorobiphenyl						***73***	***79***	***29 - 107***			
2,4,6-Tribromophenol						***83***	***89***	***44 - 121***			
Terphenyl-d14						***86***	***92***	***37 - 120***			

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-103-01					
Client ID:	**TP4-8-1109**					
Arsenic	**ND**	11	6010B	11-20-09	11-20-09	
Cadmium	**ND**	0.55	6010B	11-20-09	11-20-09	
Chromium	**6.8**	0.55	6010B	11-20-09	11-20-09	
Copper	**8.1**	1.1	6010B	11-20-09	11-20-09	
Lead	**ND**	5.5	6010B	11-20-09	11-20-09	
Mercury	**ND**	0.28	7471A	11-20-09	11-20-09	
Nickel	**6.8**	2.8	6010B	11-20-09	11-20-09	
Zinc	**18**	2.8	6010B	11-20-09	11-20-09	
Lab ID:	11-103-02					
Client ID:	**Product-W2bWall-1109**					
Arsenic	**ND**	11	6010B	11-20-09	11-20-09	
Cadmium	**ND**	0.54	6010B	11-20-09	11-20-09	
Chromium	**9.4**	0.54	6010B	11-20-09	11-20-09	
Copper	**8.8**	1.1	6010B	11-20-09	11-20-09	
Lead	**ND**	5.4	6010B	11-20-09	11-20-09	
Mercury	**ND**	0.27	7471A	11-20-09	11-20-09	
Nickel	**9.3**	2.7	6010B	11-20-09	11-20-09	
Zinc	**17**	2.7	6010B	11-20-09	11-20-09	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-103-03					
Client ID:	**Product-W1bWall-1109**					
Arsenic	**ND**	11	6010B	11-20-09	11-20-09	
Cadmium	**ND**	0.56	6010B	11-20-09	11-20-09	
Chromium	**9.0**	0.56	6010B	11-20-09	11-20-09	
Copper	**7.2**	1.1	6010B	11-20-09	11-20-09	
Lead	**ND**	5.6	6010B	11-20-09	11-20-09	
Mercury	**ND**	0.28	7471A	11-20-09	11-20-09	
Nickel	**6.9**	2.8	6010B	11-20-09	11-20-09	
Zinc	**16**	2.8	6010B	11-20-09	11-20-09	
Lab ID:	11-103-05					
Client ID:	**TP4-1-1109**					
Arsenic	**ND**	14	6010B	11-20-09	11-20-09	
Cadmium	**ND**	0.68	6010B	11-20-09	11-20-09	
Chromium	**13**	0.68	6010B	11-20-09	11-20-09	
Copper	**110**	1.4	6010B	11-20-09	11-20-09	
Lead	**52**	6.8	6010B	11-20-09	11-20-09	
Mercury	**ND**	0.34	7471A	11-20-09	11-20-09	
Nickel	**25**	3.4	6010B	11-20-09	11-20-09	
Zinc	**67**	3.4	6010B	11-20-09	11-20-09	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 11-20-09
Date Analyzed: 11-20-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1120S1&MB1120S2

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Copper	6010B	**ND**	1.0
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Nickel	6010B	**ND**	2.5
Zinc	6010B	**ND**	2.5

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 11-20-09
Date Analyzed: 11-20-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-132-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**16.3**	**20.0**	20	0.50	
Copper	**13.2**	**12.3**	7	1.0	
Lead	**8.77**	**6.34**	32	5.0	C
Mercury	**ND**	**ND**	NA	0.25	
Nickel	**19.6**	**18.9**	4	2.5	
Zinc	**61.0**	**66.6**	9	2.5	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 11-20-09
Date Analyzed: 11-20-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-132-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**94.9**	95	**83.8**	84	12	
Cadmium	50	**48.2**	96	**42.8**	86	12	
Chromium	100	**114**	97	**102**	85	11	
Copper	50	**62.0**	98	**55.5**	85	11	
Lead	250	**238**	92	**211**	81	12	
Mercury	0.50	**0.491**	98	**0.487**	97	1	
Nickel	100	**116**	96	**105**	86	9	
Zinc	100	**153**	92	**144**	83	6	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

% MOISTURE

Date Analyzed: 11-16-09

Client ID	Lab ID	% Moisture
TP4-8-1109	11-103-01	9
Product-W2b Wall-1109	11-103-02	8
Product-W1b Wall-1109	11-103-03	11
Tank 4-B2-1109	11-103-04	16
TP4-1-1109	11-103-05	27

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z - The sample chromatogram is similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC Geomatrix
Project Number: 14697
Project Name: Kelly-Moore
Project Manager: Tasya Tway
Sampled by: Emerald Eidson

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Day ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 11-103

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	total Metals (As, Cd, Cu, Cr, Pb, Ni, Hg, Zn)	% Moisture
1	TP4-8-1109	11/13/09	925	Soil	6		/	/	/		/								/	X
2	Product-W2b Wall-1109	↓	1055	Soil	6		/	/	/		/								/	↓
3	Product-W1b Wall-1109		1110	Soil	6		/	/	/		/								/	
4	Tank 4-B2-1109		1120	Soil	6		/320	/320	/320		/								/320	
5	TP4-1-1109		1215	Soil	6		/	/	/		/								/	
6	Trip Blank	—	—	H_2O	2				/											

	Signature	Company	Date	Time
Relinquished by	Emerald Eidson	AMEC GMX	11/13/09	3:38
Received by		Speedy	11/13/09	3:38
Relinquished by		"	"	5:05
Received by			11/13/09	1715
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions:

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Client Copy

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 30, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697.000
Laboratory Reference No. 0911-132

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on November 18, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

Case Narrative

Samples were collected on November 17, 2009, and received by the laboratory on November 18, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx and Volatiles EPA 8260B Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	11-132-01				
Client ID:	**Pipe-C1-1109**				
TPH-Gas	**15**	6.1	11-18-09	11-19-09	
Surrogate: Fluorobenzene	106%	53-126			

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 11-18-09
Date Analyzed: 11-18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1118S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	89%		

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 11-18-09
Date Analyzed: 11-18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	11-117-04 **Original**	11-117-04 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	96%	98%		

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	11-132-01				
Client ID:	**Pipe-C1-1109**				
Diesel Range	**ND**	28	11-20-09	11-20-09	Y
Lube Oil Range	**ND**	56	11-20-09	11-20-09	Y
Surrogate: o-terphenyl	71%	50-150			

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	11-20-09
Date Analyzed:	11-20-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1120S1
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	85%
Flags:	Y

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	11-20-09
Date Analyzed:	11-20-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	11-132-01	11-132-01 DUP
Diesel Range:	**ND**	**ND**
PQL:	25	25
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	71%	76%
Flags:	Y	Y

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 11-19-09
Date Analyzed: 11-19-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-132-01
Client ID: Pipe-C1-1109

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0054
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0054
Trichlorofluoromethane	ND		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	0.036		0.0054
Iodomethane	ND		0.0054
Carbon Disulfide	0.0015		0.0011
Methylene Chloride	ND		0.0054
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0054
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	0.0060		0.0054
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0054
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	ND		0.0054
Toluene	ND		0.0054
(trans) 1,3-Dichloropropene	ND		0.0011

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 11-132-01
Client ID: Pipe-C1-1109

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	ND		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0054
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	ND		0.0011
m,p-Xylene	ND		0.0022
o-Xylene	ND		0.0011
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	ND		0.0011
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	ND		0.0011
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	ND		0.0011
tert-Butylbenzene	ND		0.0011
1,2,4-Trimethylbenzene	ND		0.0011
sec-Butylbenzene	ND		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	ND		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	ND		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0054
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0054
Naphthalene	ND		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	116	55-125
Toluene-d8	105	56-127
4-Bromofluorobenzene	91	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted: 11-19-09
Date Analyzed: 11-19-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1119S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Laboratory Reference: 0911-132
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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Lab ID: MB1119S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	118	55-125
Toluene-d8	110	56-127
4-Bromofluorobenzene	84	54-130

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 11-19-09
Date Analyzed: 11-19-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1119S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0579	116	0.0635	127	70-130	
Benzene	0.0500	0.0528	106	0.0568	114	70-128	
Trichloroethene	0.0500	0.0535	107	0.0555	111	70-124	
Toluene	0.0500	0.0511	102	0.0513	103	73-123	
Chlorobenzene	0.0500	0.0462	92	0.0482	96	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	9	16	
Benzene	7	15	
Trichloroethene	4	14	
Toluene	0	14	
Chlorobenzene	4	13	

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Pipe-C1-1109**					
Laboratory ID:	11-132-01					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Pyridine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Phenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Aniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Hexachloroethane	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Nitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Isophorone	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Naphthalene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Methylnaphthalene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
1-Methylnaphthalene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Acenaphthylene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Pipe-C1-1109**					
Laboratory ID:	11-132-01					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	11-20-09	11-20-09	
Acenaphthene	**0.010**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Dibenzofuran	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Diethylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Fluorene	**0.0093**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	11-20-09	11-20-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	11-20-09	11-20-09	
Phenanthrene	**0.041**	0.037	EPA 8270	11-20-09	11-20-09	
Anthracene	**0.021**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
Carbazole	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Fluoranthene	**0.082**	0.037	EPA 8270	11-20-09	11-20-09	
Benzidine	**ND**	0.37	EPA 8270	11-20-09	11-20-09	
Pyrene	**0.074**	0.037	EPA 8270	11-20-09	11-20-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	11-20-09	11-20-09	
Benzo[a]anthracene	**0.028**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
Chrysene	**0.044**	0.037	EPA 8270	11-20-09	11-20-09	
bis(2-Ethylhexyl)phthalate	**0.20**	0.037	EPA 8270	11-20-09	11-20-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Benzo[b]fluoranthene	**0.038**	0.037	EPA 8270	11-20-09	11-20-09	
Benzo[k]fluoranthene	**0.029**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[a]pyrene	**0.039**	0.037	EPA 8270	11-20-09	11-20-09	
Indeno[1,2,3-cd]pyrene	**0.029**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
Dibenz[a,h]anthracene	**0.010**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[g,h,i]perylene	**0.041**	0.037	EPA 8270	11-20-09	11-20-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*66*	*19 - 97*				
Phenol-d6	*71*	*22 - 108*				
Nitrobenzene-d5	*64*	*21 - 106*				
2-Fluorobiphenyl	*74*	*29 - 107*				
2,4,6-Tribromophenol	*83*	*44 - 121*				
Terphenyl-d14	*87*	*37 - 120*				

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Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1120S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Pyridine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Phenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Aniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Hexachloroethane	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Nitrobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Isophorone	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	

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Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1120S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	11-20-09	11-20-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Dibenzofuran	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Diethylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	11-20-09	11-20-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	11-20-09	11-20-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Carbazole	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Benzidine	**ND**	0.33	EPA 8270	11-20-09	11-20-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	11-20-09	11-20-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*70*	*19 - 97*				
Phenol-d6	*74*	*22 - 108*				
Nitrobenzene-d5	*74*	*21 - 106*				
2-Fluorobiphenyl	*78*	*29 - 107*				
2,4,6-Tribromophenol	*93*	*44 - 121*				
Terphenyl-d14	*98*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	11-132-01										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**0.946**	**1.03**	1.33	1.33	ND	71	77	38 - 97	9	30	
2-Chlorophenol	**0.937**	**1.00**	1.33	1.33	ND	70	75	28 - 102	7	38	
1,4-Dichlorobenzene	**0.350**	**0.391**	0.667	0.667	ND	52	59	14 - 84	11	41	
N-Nitroso-di-n-propylamine	**0.442**	**0.471**	0.667	0.667	ND	66	71	25 - 104	6	39	
1,2,4-Trichlorobenzene	**0.405**	**0.443**	0.667	0.667	ND	61	66	23 - 93	9	37	
4-Chloro-3-methylphenol	**1.03**	**1.11**	1.33	1.33	ND	77	83	49 - 113	7	31	
Acenaphthene	**0.449**	**0.496**	0.667	0.667	ND	67	74	37 - 101	10	40	
4-Nitrophenol	**1.02**	**1.10**	1.33	1.33	ND	77	83	30 - 136	8	31	
2,4-Dinitrotoluene	**0.482**	**0.508**	0.667	0.667	ND	72	76	36 - 122	5	32	
Pentachlorophenol	**1.19**	**1.21**	1.33	1.33	ND	89	91	15 - 143	2	34	
Pyrene	**0.569**	**0.811**	0.667	0.667	0.0663	75	112	24 - 138	35	39	
Surrogate:											
2-Fluorophenol						*72*	*77*	*19 - 97*			
Phenol-d6						*71*	*76*	*22 - 108*			
Nitrobenzene-d5						*71*	*76*	*21 - 106*			
2-Fluorobiphenyl						*73*	*79*	*29 - 107*			
2,4,6-Tribromophenol						*83*	*89*	*44 - 121*			
Terphenyl-d14						*86*	*92*	*37 - 120*			

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-132-01					
Client ID:	**Pipe-C1-1109**					
Arsenic	**ND**	11	6010B	11-20-09	11-20-09	
Cadmium	**ND**	0.56	6010B	11-20-09	11-20-09	
Chromium	**18**	0.56	6010B	11-20-09	11-20-09	
Copper	**15**	1.1	6010B	11-20-09	11-20-09	
Lead	**9.8**	5.6	6010B	11-20-09	11-20-09	
Mercury	**ND**	0.28	7471A	11-20-09	11-20-09	
Nickel	**22**	2.8	6010B	11-20-09	11-20-09	
Zinc	**68**	2.8	6010B	11-20-09	11-20-09	

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 11-20-09
Date Analyzed: 11-20-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1120S1&MB1120S2

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Copper	6010B	**ND**	1.0
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Nickel	6010B	**ND**	2.5
Zinc	6010B	**ND**	2.5

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 11-20-09
Date Analyzed: 11-20-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-132-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**16.3**	**20.0**	20	0.50	
Copper	**13.2**	**12.3**	7	1.0	
Lead	**8.77**	**6.34**	32	5.0	C
Mercury	**ND**	**ND**	NA	0.25	
Nickel	**19.6**	**18.9**	4	2.5	
Zinc	**61.0**	**66.6**	9	2.5	

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 11-20-09
Date Analyzed: 11-20-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-132-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**94.9**	95	**83.8**	84	12	
Cadmium	50	**48.2**	96	**42.8**	86	12	
Chromium	100	**114**	97	**102**	85	11	
Copper	50	**62.0**	98	**55.5**	85	11	
Lead	250	**238**	92	**211**	81	12	
Mercury	0.50	**0.491**	98	**0.487**	97	1	
Nickel	100	**116**	96	**105**	86	9	
Zinc	100	**153**	92	**144**	83	6	

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

% MOISTURE

Date Analyzed: 11-19-09

Client ID	Lab ID	% Moisture
Pipe-C1-1109	11-132-01	11

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC Geomatrix
Project Number: 14697.000
Project Name: Kelly Moore Paint Co.
Project Manager: Tasya Gray
Sampled by: Emerald Einlesen

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Day ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 11-132

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	As, Cd, Cr, Pb, Ni, Zn						% Moisture
√	Pipe-CJ-1109	11/17/09	14:40	soil	6		X	X	X		X								X						X

	Signature	Company	Date	Time
Relinquished by		AMEC GMX	11/18/09	11:25Am
Received by		Speedy	11.18.09	1125am
Relinquished by		"	"	1325
Received by				
Relinquished by				
Received by				

Comments/Special Instructions:

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Client Copy

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

December 2, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0911-192

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on November 24, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

Case Narrative

Samples were collected on November 23 and 24, 2009, and received by the laboratory on November 24, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Volatiles EPA 8260B Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Some MTCA Method A cleanup levels are non-achievable for sample B7-Trench-1-1109 due to the necessary dilution of the sample.

Surrogate Standard 4-Bromofluorobenzene is outside control limits for sample B7-Trench-1-1109 due to the high concentration of coeluting compounds.

Internal Standard 1,4-Dichlorobenzene-d4 does not meet acceptance criteria for sample B7-Trench-3-1109 due to sample matrix effects. The sample was re-analyzed with similar results. All results, including Practical Quantitation Limits, from Bromobenzene onward should be considered estimates.

Total Metals EPA 6010B/7471A Analysis

The duplicate RPD for Lead is outside control limits due to sample inhomogeniety.

The Matrix Spike/ Matrix Spike Duplicate recoveries for Lead are outside control limits due to matrix interferences. The Spike Blank recovery was 99%.

Semivolatiles EPA 8270D/SIM Analysis

Sample B7-Trench-2-1109 had three surrogates outside of control limits, due to high concentrations of coeluting target compound, and are flagged with an “F” indicator.

Please note any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	11-192-02				
Client ID:	**B7-Trench-1-1109**				
TPH-Gas	**30000**	1000	11-30-09	11-30-09	Z1
Surrogate: Fluorobenzene	---	53-126			S
Lab ID:	11-192-03				
Client ID:	**B7-Trench-2-1109**				
TPH-Gas	**33000**	1300	11-30-09	11-30-09	Z2
Surrogate: Fluorobenzene	---	53-126			S
Lab ID:	11-192-04				
Client ID:	**B7-Trench-3-1109**				
TPH-Gas	**72**	6.2	11-30-09	11-30-09	Z3
Surrogate: Fluorobenzene	97%	53-126			

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted:	11-30-09
Date Analyzed:	11-30-09
Matrix: Soil	
Units: mg/kg (ppm)	
Lab ID:	MB1130S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	89%		

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 11-30-09
Date Analyzed: 11-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	11-192-04 **Original**	11-192-04 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**64.3**	**71.4**	10	
Surrogate Recovery:				
Fluorobenzene	97%	101%		

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	11-192-02				
Client ID:	**B7-Trench-1-1109**				
Diesel Range	**21000**	27	11-25-09	11-25-09	Y,M
Lube Oil	**320**	54	11-25-09	11-25-09	Y
Surrogate: o-terphenyl	80%	50-150			
Lab ID:	11-192-03				
Client ID:	**B7-Trench-2-1109**				
Diesel Range	**6500**	28	11-25-09	11-25-09	Y,M
Lube Oil	**450**	56	11-25-09	11-25-09	Y
Surrogate: o-terphenyl	89%	50-150			
Lab ID:	11-192-04				
Client ID:	**B7-Trench-3-1109**				
Diesel Range Organics	**380**	28	11-25-09	11-25-09	Y,M
Lube Oil	**1400**	56	11-25-09	11-25-09	Y
Surrogate: o-terphenyl	78%	50-150			

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	11-25-09
Date Analyzed:	11-25-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1125S1
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	80%
Flags:	Y

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	11-25-09
Date Analyzed:	11-25-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	11-192-04	11-192-04 DUP
Diesel Range:	**337**	**344**
PQL:	25	25
RPD:	2	
Surrogate Recovery		
o-Terphenyl:	78%	83%
Flags:	Y,M	Y,M

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 11-25-09
Date Analyzed: 11-25-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-192-02
Client ID: B7-Trench-1-1109

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		1.1
Chloromethane	ND		5.5
Vinyl Chloride	ND		1.1
Bromomethane	ND		1.1
Chloroethane	ND		5.5
Trichlorofluoromethane	ND		1.1
1,1-Dichloroethene	ND		1.1
Acetone	ND		5.5
Iodomethane	ND		5.5
Carbon Disulfide	ND		1.1
Methylene Chloride	ND		5.5
(trans) 1,2-Dichloroethene	ND		1.1
Methyl t-Butyl Ether	ND		1.1
1,1-Dichloroethane	ND		1.1
Vinyl Acetate	ND		5.5
2,2-Dichloropropane	ND		1.1
(cis) 1,2-Dichloroethene	ND		1.1
2-Butanone	ND		5.5
Bromochloromethane	ND		1.1
Chloroform	ND		1.1
1,1,1-Trichloroethane	ND		1.1
Carbon Tetrachloride	ND		1.1
1,1-Dichloropropene	ND		1.1
Benzene	ND		1.1
1,2-Dichloroethane	ND		1.1
Trichloroethene	ND		1.1
1,2-Dichloropropane	ND		1.1
Dibromomethane	ND		1.1
Bromodichloromethane	ND		1.1
2-Chloroethyl Vinyl Ether	ND		5.5
(cis) 1,3-Dichloropropene	ND		1.1
Methyl Isobutyl Ketone	ND		5.5
Toluene	11		5.5
(trans) 1,3-Dichloropropene	ND		1.1

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 11-192-02
Client ID: B7-Trench-1-1109

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		1.1
Tetrachloroethene	ND		1.1
1,3-Dichloropropane	ND		1.1
2-Hexanone	ND		5.5
Dibromochloromethane	ND		1.1
1,2-Dibromoethane	ND		1.1
Chlorobenzene	ND		1.1
1,1,1,2-Tetrachloroethane	ND		1.1
Ethylbenzene	1.8		1.1
m,p-Xylene	17		2.2
o-Xylene	3.6		1.1
Styrene	ND		1.1
Bromoform	ND		1.1
Isopropylbenzene	1.4		1.1
Bromobenzene	ND		1.1
1,1,2,2-Tetrachloroethane	ND		1.1
1,2,3-Trichloropropane	ND		1.1
n-Propylbenzene	4.8		1.1
2-Chlorotoluene	ND		1.1
4-Chlorotoluene	ND		1.1
1,3,5-Trimethylbenzene	20		1.1
tert-Butylbenzene	ND		1.1
1,2,4-Trimethylbenzene	62		1.1
sec-Butylbenzene	2.2		1.1
1,3-Dichlorobenzene	ND		1.1
p-Isopropyltoluene	3.0		1.1
1,4-Dichlorobenzene	ND		1.1
1,2-Dichlorobenzene	ND		1.1
n-Butylbenzene	10		1.1
1,2-Dibromo-3-chloropropane	ND		5.5
1,2,4-Trichlorobenzene	ND		1.1
Hexachlorobutadiene	ND		5.5
Naphthalene	ND		1.1
1,2,3-Trichlorobenzene	ND		1.1

Surrogate	Percent Recovery		Control Limits
Dibromofluoromethane	86		55-125
Toluene-d8	84		56-127
4-Bromofluorobenzene	140	Q	54-130

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 11-25-09
Date Analyzed: 11-25-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-192-03
Client ID: B7-Trench-2-1109

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		1.2
Chloromethane	ND		6.2
Vinyl Chloride	ND		1.2
Bromomethane	ND		1.2
Chloroethane	ND		6.2
Trichlorofluoromethane	ND		1.2
1,1-Dichloroethene	ND		1.2
Acetone	ND		6.2
Iodomethane	ND		6.2
Carbon Disulfide	ND		1.2
Methylene Chloride	ND		6.2
(trans) 1,2-Dichloroethene	ND		1.2
Methyl t-Butyl Ether	ND		1.2
1,1-Dichloroethane	ND		1.2
Vinyl Acetate	ND		6.2
2,2-Dichloropropane	ND		1.2
(cis) 1,2-Dichloroethene	ND		1.2
2-Butanone	14		6.2
Bromochloromethane	ND		1.2
Chloroform	ND		1.2
1,1,1-Trichloroethane	ND		1.2
Carbon Tetrachloride	ND		1.2
1,1-Dichloropropene	ND		1.2
Benzene	ND		1.2
1,2-Dichloroethane	ND		1.2
Trichloroethene	ND		1.2
1,2-Dichloropropane	ND		1.2
Dibromomethane	ND		1.2
Bromodichloromethane	ND		1.2
2-Chloroethyl Vinyl Ether	ND		6.2
(cis) 1,3-Dichloropropene	ND		1.2
Methyl Isobutyl Ketone	25		6.2
Toluene	140		6.2
(trans) 1,3-Dichloropropene	ND		1.2

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

VOLATILES by EPA 8260B
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Lab ID: 11-192-03
Client ID: B7-Trench-2-1109

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		1.2
Tetrachloroethene	ND		1.2
1,3-Dichloropropane	ND		1.2
2-Hexanone	ND		6.2
Dibromochloromethane	ND		1.2
1,2-Dibromoethane	ND		1.2
Chlorobenzene	ND		1.2
1,1,1,2-Tetrachloroethane	ND		1.2
Ethylbenzene	890		62
m,p-Xylene	4400		120
o-Xylene	1100		62
Styrene	ND		1.2
Bromoform	ND		1.2
Isopropylbenzene	20		1.2
Bromobenzene	ND		1.2
1,1,2,2-Tetrachloroethane	ND		1.2
1,2,3-Trichloropropane	ND		1.2
n-Propylbenzene	28		1.2
2-Chlorotoluene	ND		1.2
4-Chlorotoluene	ND		1.2
1,3,5-Trimethylbenzene	54		1.2
tert-Butylbenzene	ND		1.2
1,2,4-Trimethylbenzene	210		1.2
sec-Butylbenzene	9.6		1.2
1,3-Dichlorobenzene	ND		1.2
p-Isopropyltoluene	11		1.2
1,4-Dichlorobenzene	ND		1.2
1,2-Dichlorobenzene	ND		1.2
n-Butylbenzene	21		1.2
1,2-Dibromo-3-chloropropane	ND		6.2
1,2,4-Trichlorobenzene	ND		1.2
Hexachlorobutadiene	ND		6.2
Naphthalene	17		1.2
1,2,3-Trichlorobenzene	ND		1.2

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	87	55-125
Toluene-d8	86	56-127
4-Bromofluorobenzene	119	54-130

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Date of Report: December 2, 2009
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Date Extracted: 11-25-09
Date Analyzed: 11-25-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-192-04
Client ID: B7-Trench-3-1109

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0058
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0058
Trichlorofluoromethane	0.078		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	ND		0.0058
Iodomethane	ND		0.0058
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0058
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0058
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	ND		0.0058
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0058
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0058
Toluene	ND		0.0058
(trans) 1,3-Dichloropropene	ND		0.0012

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Lab ID: 11-192-04
Client ID: B7-Trench-3-1109

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	0.0035		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0058
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	0.0022		0.0012
m,p-Xylene	0.021		0.0023
o-Xylene	0.0080		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	0.0013		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	0.0018		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0058
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0058
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	90	55-125
Toluene-d8	67	56-127
4-Bromofluorobenzene	84	54-130

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted: 11-25-09
Date Analyzed: 11-25-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1125S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Lab ID: MB1125S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	92	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	95	54-130

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Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 11-25-09
Date Analyzed: 11-25-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1125S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0401	80	0.0456	91	70-130	
Benzene	0.0500	0.0420	84	0.0450	90	70-128	
Trichloroethene	0.0500	0.0464	93	0.0435	87	70-124	
Toluene	0.0500	0.0452	90	0.0405	81	73-123	
Chlorobenzene	0.0500	0.0525	105	0.0509	102	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	13	16	
Benzene	7	15	
Trichloroethene	7	14	
Toluene	11	14	
Chlorobenzene	3	13	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

SEMIVOLATILES by EPA 8270D
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-Trench-1-1109**					
Laboratory ID:	11-192-02					
N-Nitrosodimethylamine	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Pyridine	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Phenol	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Aniline	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
bis(2-Chloroethyl)ether	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
2-Chlorophenol	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
1,3-Dichlorobenzene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
1,4-Dichlorobenzene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Benzyl alcohol	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
1,2-Dichlorobenzene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
2-Methylphenol (o-Cresol)	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
bis(2-Chloroisopropyl)ether	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
N-Nitroso-di-n-propylamine	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Hexachloroethane	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Nitrobenzene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Isophorone	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
2-Nitrophenol	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
2,4-Dimethylphenol	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
bis(2-Chloroethoxy)methane	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
2,4-Dichlorophenol	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
1,2,4-Trichlorobenzene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Naphthalene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
4-Chloroaniline	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Hexachlorobutadiene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
4-Chloro-3-methylphenol	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
2-Methylnaphthalene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
1-Methylnaphthalene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Hexachlorocyclopentadiene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2,4,6-Trichlorophenol	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2,3-Dichloroaniline	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2,4,5-Trichlorophenol	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2-Chloronaphthalene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2-Nitroaniline	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
1,4-Dinitrobenzene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Dimethylphthalate	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2,6-Dinitrotoluene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
1,2-Dinitrobenzene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Acenaphthylene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
3-Nitroaniline	**ND**	0.18	EPA 8270	11-30-09	11-30-09	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

SEMIVOLATILES by EPA 8270D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-Trench-1-1109**					
Laboratory ID:	11-192-02					
2,4-Dinitrophenol	**ND**	0.90	EPA 8270	11-30-09	11-30-09	
Acenaphthene	**0.19**	0.18	EPA 8270	11-30-09	11-30-09	
4-Nitrophenol	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2,4-Dinitrotoluene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Dibenzofuran	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Diethylphthalate	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
4-Chlorophenyl-phenylether	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
4-Nitroaniline	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Fluorene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
4,6-Dinitro-2-methylphenol	**ND**	0.90	EPA 8270	11-30-09	11-30-09	
N-Nitrosodiphenylamine	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
1,2-Diphenylhydrazine	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
4-Bromophenyl-phenylether	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Hexachlorobenzene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Pentachlorophenol	**ND**	0.90	EPA 8270	11-30-09	11-30-09	
Phenanthrene	**0.65**	0.18	EPA 8270	11-30-09	11-30-09	
Anthracene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Carbazole	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Di-n-butylphthalate	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Fluoranthene	**2.5**	0.18	EPA 8270	11-30-09	11-30-09	
Benzidine	**ND**	1.8	EPA 8270	11-30-09	11-30-09	
Pyrene	**2.2**	0.18	EPA 8270	11-30-09	11-30-09	
Butylbenzylphthalate	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
bis-2-Ethylhexyladipate	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
3,3'-Dichlorobenzidine	**ND**	1.8	EPA 8270	11-30-09	11-30-09	
Benzo[a]anthracene	**2.0**	0.18	EPA 8270	11-30-09	11-30-09	
Chrysene	**2.7**	0.18	EPA 8270	11-30-09	11-30-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Di-n-octylphthalate	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Benzo[b]fluoranthene	**2.8**	0.18	EPA 8270	11-30-09	11-30-09	
Benzo[k]fluoranthene	**2.3**	0.18	EPA 8270	11-30-09	11-30-09	
Benzo[a]pyrene	**2.0**	0.18	EPA 8270	11-30-09	11-30-09	
Indeno[1,2,3-cd]pyrene	**1.4**	0.18	EPA 8270	11-30-09	11-30-09	
Dibenz[a,h]anthracene	**0.64**	0.18	EPA 8270	11-30-09	11-30-09	
Benzo[g,h,i]perylene	**1.6**	0.18	EPA 8270	11-30-09	11-30-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorophenol	***31***	***19 - 97***				
Phenol-d6	***71***	***22 - 108***				
Nitrobenzene-d5	***52***	***21 - 106***				
2-Fluorobiphenyl	***103***	***29 - 107***				
2,4,6-Tribromophenol	***92***	***44 - 121***				
Terphenyl-d14	***98***	***37 - 120***				

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

SEMIVOLATILES by EPA 8270D
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-Trench-2-1109**					
Laboratory ID:	11-192-03					
N-Nitrosodimethylamine	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Pyridine	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Phenol	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Aniline	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
bis(2-Chloroethyl)ether	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
2-Chlorophenol	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
1,3-Dichlorobenzene	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
1,4-Dichlorobenzene	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Benzyl alcohol	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
1,2-Dichlorobenzene	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
2-Methylphenol (o-Cresol)	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
bis(2-Chloroisopropyl)ether	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
N-Nitroso-di-n-propylamine	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Hexachloroethane	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Nitrobenzene	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Isophorone	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
2-Nitrophenol	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
2,4-Dimethylphenol	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
bis(2-Chloroethoxy)methane	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
2,4-Dichlorophenol	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
1,2,4-Trichlorobenzene	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Naphthalene	**26**	3.7	EPA 8270	11-30-09	12-1-09	
4-Chloroaniline	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Hexachlorobutadiene	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
4-Chloro-3-methylphenol	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
2-Methylnaphthalene	**7.4**	3.7	EPA 8270	11-30-09	12-1-09	
1-Methylnaphthalene	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Hexachlorocyclopentadiene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,4,6-Trichlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,3-Dichloroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,4,5-Trichlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2-Chloronaphthalene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2-Nitroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,4-Dinitrobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Dimethylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,3-Dinitrobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,6-Dinitrotoluene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,2-Dinitrobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Acenaphthylene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
3-Nitroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-Trench-2-1109**					
Laboratory ID:	11-192-03					
2,4-Dinitrophenol	**ND**	0.94	EPA 8270	11-30-09	11-30-09	
Acenaphthene	**0.51**	0.19	EPA 8270	11-30-09	11-30-09	
4-Nitrophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,4-Dinitrotoluene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Dibenzofuran	**0.27**	0.19	EPA 8270	11-30-09	11-30-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Diethylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
4-Chlorophenyl-phenylether	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
4-Nitroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Fluorene	**0.33**	0.19	EPA 8270	11-30-09	11-30-09	
4,6-Dinitro-2-methylphenol	**ND**	0.94	EPA 8270	11-30-09	11-30-09	
N-Nitrosodiphenylamine	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,2-Diphenylhydrazine	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
4-Bromophenyl-phenylether	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Hexachlorobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Pentachlorophenol	**ND**	0.94	EPA 8270	11-30-09	11-30-09	
Phenanthrene	**1.6**	0.19	EPA 8270	11-30-09	11-30-09	
Anthracene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Carbazole	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Di-n-butylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Fluoranthene	**7.1**	0.19	EPA 8270	11-30-09	11-30-09	
Benzidine	**ND**	1.9	EPA 8270	11-30-09	11-30-09	
Pyrene	**6.4**	0.19	EPA 8270	11-30-09	11-30-09	
Butylbenzylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
bis-2-Ethylhexyladipate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
3,3'-Dichlorobenzidine	**ND**	1.9	EPA 8270	11-30-09	11-30-09	
Benzo[a]anthracene	**7.4**	0.19	EPA 8270	11-30-09	11-30-09	
Chrysene	**12**	3.7	EPA 8270	11-30-09	12-1-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Di-n-octylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Benzo[b]fluoranthene	**12**	3.7	EPA 8270	11-30-09	12-1-09	
Benzo[k]fluoranthene	**6.9**	0.19	EPA 8270	11-30-09	11-30-09	
Benzo[a]pyrene	**7.2**	0.19	EPA 8270	11-30-09	11-30-09	
Indeno[1,2,3-cd]pyrene	**6.4**	0.19	EPA 8270	11-30-09	11-30-09	
Dibenz[a,h]anthracene	**3.0**	0.19	EPA 8270	11-30-09	11-30-09	
Benzo[g,h,i]perylene	**7.2**	0.19	EPA 8270	11-30-09	11-30-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorophenol	***.---***	***19 - 97***				F
Phenol-d6	***.---***	***22 - 108***				F
Nitrobenzene-d5	***.---***	***21 - 106***				F
2-Fluorobiphenyl	***105***	***29 - 107***				
2,4,6-Tribromophenol	***101***	***44 - 121***				
Terphenyl-d14	***102***	***37 - 120***				

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-Trench-3-1109**					
Laboratory ID:	11-192-04					
N-Nitrosodimethylamine	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Pyridine	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Phenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Aniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
bis(2-Chloroethyl)ether	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2-Chlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,3-Dichlorobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,4-Dichlorobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Benzyl alcohol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,2-Dichlorobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2-Methylphenol (o-Cresol)	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
bis(2-Chloroisopropyl)ether	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
(3+4)-Methylphenol (m,p-Cresol)	**0.22**	0.19	EPA 8270	11-30-09	11-30-09	
N-Nitroso-di-n-propylamine	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Hexachloroethane	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Nitrobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Isophorone	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2-Nitrophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,4-Dimethylphenol	**0.22**	0.19	EPA 8270	11-30-09	11-30-09	
bis(2-Chloroethoxy)methane	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,4-Dichlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,2,4-Trichlorobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Naphthalene	**1.3**	0.19	EPA 8270	11-30-09	11-30-09	
4-Chloroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Hexachlorobutadiene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
4-Chloro-3-methylphenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2-Methylnaphthalene	**0.46**	0.19	EPA 8270	11-30-09	11-30-09	
1-Methylnaphthalene	**0.24**	0.19	EPA 8270	11-30-09	11-30-09	
Hexachlorocyclopentadiene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,4,6-Trichlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,3-Dichloroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,4,5-Trichlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2-Chloronaphthalene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2-Nitroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,4-Dinitrobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Dimethylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,3-Dinitrobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,6-Dinitrotoluene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,2-Dinitrobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Acenaphthylene	**2.4**	0.19	EPA 8270	11-30-09	11-30-09	
3-Nitroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

SEMIVOLATILES by EPA 8270D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-Trench-3-1109**					
Laboratory ID:	11-192-04					
2,4-Dinitrophenol	**ND**	0.94	EPA 8270	11-30-09	11-30-09	
Acenaphthene	**0.20**	0.19	EPA 8270	11-30-09	11-30-09	
4-Nitrophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,4-Dinitrotoluene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Dibenzofuran	**0.40**	0.19	EPA 8270	11-30-09	11-30-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Diethylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
4-Chlorophenyl-phenylether	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
4-Nitroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Fluorene	**1.5**	0.19	EPA 8270	11-30-09	11-30-09	
4,6-Dinitro-2-methylphenol	**ND**	0.94	EPA 8270	11-30-09	11-30-09	
N-Nitrosodiphenylamine	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,2-Diphenylhydrazine	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
4-Bromophenyl-phenylether	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Hexachlorobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Pentachlorophenol	**ND**	0.94	EPA 8270	11-30-09	11-30-09	
Phenanthrene	**10**	0.19	EPA 8270	11-30-09	11-30-09	
Anthracene	**5.9**	0.19	EPA 8270	11-30-09	11-30-09	
Carbazole	**0.49**	0.19	EPA 8270	11-30-09	11-30-09	
Di-n-butylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Fluoranthene	**29**	3.7	EPA 8270	11-30-09	12-1-09	
Benzidine	**ND**	1.9	EPA 8270	11-30-09	11-30-09	
Pyrene	**27**	3.7	EPA 8270	11-30-09	12-1-09	
Butylbenzylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
bis-2-Ethylhexyladipate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
3,3'-Dichlorobenzidine	**ND**	1.9	EPA 8270	11-30-09	11-30-09	
Benzo[a]anthracene	**20**	3.7	EPA 8270	11-30-09	12-1-09	
Chrysene	**24**	3.7	EPA 8270	11-30-09	12-1-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Di-n-octylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Benzo[b]fluoranthene	**22**	3.7	EPA 8270	11-30-09	12-1-09	
Benzo[k]fluoranthene	**19**	3.7	EPA 8270	11-30-09	12-1-09	
Benzo[a]pyrene	**21**	3.7	EPA 8270	11-30-09	12-1-09	
Indeno[1,2,3-cd]pyrene	**14**	3.7	EPA 8270	11-30-09	12-1-09	
Dibenz[a,h]anthracene	**5.0**	0.19	EPA 8270	11-30-09	11-30-09	
Benzo[g,h,i]perylene	**16**	3.7	EPA 8270	11-30-09	12-1-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorophenol	***79***	***19 - 97***				
Phenol-d6	***85***	***22 - 108***				
Nitrobenzene-d5	***99***	***21 - 106***				
2-Fluorobiphenyl	***94***	***29 - 107***				
2,4,6-Tribromophenol	***81***	***44 - 121***				
Terphenyl-d14	***94***	***37 - 120***				

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1130S2					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Pyridine	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Phenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Aniline	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Hexachloroethane	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Nitrobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Isophorone	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	11-30-09	11-30-09	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1130S2					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	11-30-09	11-30-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Dibenzofuran	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Diethylphthalate	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	11-30-09	11-30-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	11-30-09	11-30-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Carbazole	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Benzidine	**ND**	0.33	EPA 8270	11-30-09	11-30-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	11-30-09	11-30-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorophenol	***84***	***19 - 97***				
Phenol-d6	***89***	***22 - 108***				
Nitrobenzene-d5	***94***	***21 - 106***				
2-Fluorobiphenyl	***89***	***29 - 107***				
2,4,6-Tribromophenol	***89***	***44 - 121***				
Terphenyl-d14	***96***	***37 - 120***				

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1130S2									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**1.10**	**1.12**	1.33	1.33	83	84	27 - 100	2	37	
2-Chlorophenol	**1.06**	**1.06**	1.33	1.33	80	80	23 - 104	0	43	
1,4-Dichlorobenzene	**0.480**	**0.457**	0.667	0.667	72	69	23 - 86	5	40	
N-Nitroso-di-n-propylamine	**0.520**	**0.528**	0.667	0.667	78	79	28 - 96	2	37	
1,2,4-Trichlorobenzene	**0.489**	**0.467**	0.667	0.667	73	70	25 - 90	5	40	
4-Chloro-3-methylphenol	**1.10**	**1.20**	1.33	1.33	83	90	44 - 106	9	31	
Acenaphthene	**0.483**	**0.515**	0.667	0.667	72	77	39 - 93	6	28	
4-Nitrophenol	**1.08**	**1.22**	1.33	1.33	81	92	30 - 124	12	31	
2,4-Dinitrotoluene	**0.514**	**0.569**	0.667	0.667	77	85	53 - 109	10	34	
Pentachlorophenol	**1.20**	**1.38**	1.33	1.33	90	104	47 - 122	14	33	
Pyrene	**0.550**	**0.631**	0.667	0.667	82	95	55 - 108	14	29	
Surrogate:										
2-Fluorophenol					***81***	***81***	***19 - 97***			
Phenol-d6					***85***	***85***	***22 - 108***			
Nitrobenzene-d5					***88***	***88***	***21 - 106***			
2-Fluorobiphenyl					***83***	***86***	***29 - 107***			
2,4,6-Tribromophenol					***83***	***92***	***44 - 121***			
Terphenyl-d14					***91***	***102***	***37 - 120***			

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Lab Traveler: 0911-192
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-Trench -1-1109**					
Laboratory ID:	11-192-02					
Aroclor 1016	**ND**	0.054	EPA 8082	11-25-09	11-25-09	
Aroclor 1221	**ND**	0.054	EPA 8082	11-25-09	11-25-09	
Aroclor 1232	**ND**	0.054	EPA 8082	11-25-09	11-25-09	
Aroclor 1242	**ND**	0.054	EPA 8082	11-25-09	11-25-09	
Aroclor 1248	**ND**	0.054	EPA 8082	11-25-09	11-25-09	
Aroclor 1254	**ND**	0.054	EPA 8082	11-25-09	11-25-09	
Aroclor 1260	**ND**	0.054	EPA 8082	11-25-09	11-25-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***89***	***33-122***				
Client ID:	**B7-Trench -2-1109**					
Laboratory ID:	11-192-03					
Aroclor 1016	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1221	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1232	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1242	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1248	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1254	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1260	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***75***	***33-122***				
Client ID:	**B7-Trench -3-1109**					
Laboratory ID:	11-192-04					
Aroclor 1016	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1221	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1232	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1242	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1248	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1254	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1260	**0.092**	0.056	EPA 8082	11-25-09	11-25-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***86***	***33-122***				

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Lab Traveler: 0911-192
Project: 14697

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1125S1					
Aroclor 1016	**ND**	0.050	EPA 8082	11-25-09	11-25-09	
Aroclor 1221	**ND**	0.050	EPA 8082	11-25-09	11-25-09	
Aroclor 1232	**ND**	0.050	EPA 8082	11-25-09	11-25-09	
Aroclor 1242	**ND**	0.050	EPA 8082	11-25-09	11-25-09	
Aroclor 1248	**ND**	0.050	EPA 8082	11-25-09	11-25-09	
Aroclor 1254	**ND**	0.050	EPA 8082	11-25-09	11-25-09	
Aroclor 1260	**ND**	0.050	EPA 8082	11-25-09	11-25-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***90***	***33-122***				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	11-195-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.396**	**0.419**	0.500	0.500	ND	**79**	**84**	24-125	6	18	
Surrogate:											
DCB						***75***	***82***	***33-122***			

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Concrete
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-192-01					
Client ID:	**Concrete-Bldg7-1109**					
Arsenic	**20**	10	6010B	11-30-09	11-30-09	
Barium	**83**	2.5	6010B	11-30-09	11-30-09	
Cadmium	**ND**	0.50	6010B	11-30-09	11-30-09	
Chromium	**26**	0.50	6010B	11-30-09	11-30-09	
Lead	**85**	5.0	6010B	11-30-09	11-30-09	
Mercury	**ND**	0.25	7471A	11-25-09	11-25-09	
Selenium	**ND**	10	6010B	11-30-09	11-30-09	
Silver	**ND**	0.50	6010B	11-30-09	11-30-09	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL METALS
EPA 6010B
METHOD BLANK QUALITY CONTROL

Date Extracted: 11-30-09
Date Analyzed: 11-30-09

Matrix: Concrete
Units: mg/kg (ppm)

Lab ID: MB1130S1

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Barium	6010B	**ND**	2.5
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Lead	6010B	**ND**	5.0
Selenium	6010B	**ND**	10
Silver	6010B	**ND**	0.50

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL MERCURY
EPA 7471A
METHOD BLANK QUALITY CONTROL

Date Extracted:	11-25-09
Date Analyzed:	11-25-09
Matrix:	Concrete
Units:	mg/kg (ppm)
Lab ID:	MB1125S2

Analyte	Method	Result	PQL
Mercury	7471A	**ND**	0.25

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL METALS
EPA 6010B
DUPLICATE QUALITY CONTROL

Date Extracted: 11-30-09
Date Analyzed: 11-30-09

Matrix: Concrete
Units: mg/kg (ppm)

Lab ID: 11-192-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**19.9**	**19.7**	1	10	
Barium	**83.3**	**78.6**	6	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**26.1**	**27.2**	4	0.50	
Lead	**85.5**	**58.2**	38	5.0	K
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	0.50	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL MERCURY
EPA 7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 11-25-09
Date Analyzed: 11-25-09

Matrix: Concrete
Units: mg/kg (ppm)

Lab ID: 11-172-02

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Mercury	**ND**	**ND**	NA	0.25	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL METALS
EPA 6010B
MS/MSD QUALITY CONTROL

Date Extracted: 11-30-09
Date Analyzed: 11-30-09

Matrix: Concrete
Units: mg/kg (ppm)

Lab ID: 11-192-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**104**	84	**105**	85	1	
Barium	100	**166**	82	**175**	92	5	
Cadmium	50	**47.5**	95	**46.7**	93	2	
Chromium	100	**120**	94	**118**	92	2	
Lead	250	**257**	69	**251**	66	3	V
Selenium	100	**88.9**	89	**90.0**	90	1	
Silver	25	**21.8**	87	**21.5**	86	2	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL MERCURY
EPA 7471A
MS/MSD QUALITY CONTROL

Date Extracted: 11-25-09
Date Analyzed: 11-25-09

Matrix: Concrete
Units: mg/kg (ppm)

Lab ID: 11-172-02

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Mercury	0.50	**0.485**	97	**0.479**	96	1	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-192-02					
Client ID:	**B7-Trench-1-1109**					
Arsenic	**ND**	11	6010B	11-24-09	11-24-09	
Barium	**37**	2.7	6010B	11-24-09	11-24-09	
Cadmium	**ND**	0.54	6010B	11-24-09	11-24-09	
Chromium	**19**	0.54	6010B	11-24-09	11-24-09	
Lead	**34**	5.4	6010B	11-24-09	11-24-09	
Mercury	**0.28**	0.27	7471A	11-25-09	11-25-09	
Selenium	**ND**	11	6010B	11-24-09	11-24-09	
Silver	**ND**	0.54	6010B	11-24-09	11-24-09	
Lab ID:	11-192-03					
Client ID:	**B7-Trench-2-1109**					
Arsenic	**ND**	11	6010B	11-24-09	11-24-09	
Barium	**39**	2.8	6010B	11-24-09	11-24-09	
Cadmium	**ND**	0.56	6010B	11-24-09	11-24-09	
Chromium	**16**	0.56	6010B	11-24-09	11-24-09	
Lead	**25**	5.6	6010B	11-24-09	11-24-09	
Mercury	**ND**	0.28	7471A	11-25-09	11-25-09	
Selenium	**ND**	11	6010B	11-24-09	11-24-09	
Silver	**ND**	0.56	6010B	11-24-09	11-24-09	
Lab ID:	11-192-04					
Client ID:	**B7-Trench-3-1109**					
Arsenic	**ND**	11	6010B	11-24-09	11-24-09	
Barium	**93**	2.8	6010B	11-24-09	11-24-09	
Cadmium	**1.8**	0.56	6010B	11-24-09	11-24-09	
Chromium	**15**	0.56	6010B	11-24-09	11-24-09	
Lead	**200**	5.6	6010B	11-24-09	11-24-09	
Mercury	**ND**	0.28	7471A	11-25-09	11-25-09	
Selenium	**ND**	11	6010B	11-24-09	11-24-09	
Silver	**ND**	0.56	6010B	11-24-09	11-24-09	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 11-24&25-09
Date Analyzed: 11-24&25-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1124S1&MB1125S2

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Barium	6010B	**ND**	2.5
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Selenium	6010B	**ND**	10
Silver	6010B	**ND**	0.50

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 11-24&25-09
Date Analyzed: 11-24&25-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-172-02

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Barium	**39.2**	**42.8**	9	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**7.33**	**7.28**	1	0.50	
Lead	**ND**	**ND**	NA	5.0	
Mercury	**ND**	**ND**	NA	0.25	
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	0.50	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 11-24&25-09
Date Analyzed: 11-24&25-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-172-02

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**90.1**	90	**93.4**	93	4	
Barium	100	**138**	99	**135**	96	2	
Cadmium	50	**48.2**	96	**48.1**	96	0	
Chromium	100	**105**	98	**113**	105	7	
Lead	250	**230**	92	**232**	93	1	
Mercury	0.50	**0.485**	97	**0.479**	96	1	
Selenium	100	**92.3**	92	**91.7**	92	1	
Silver	25	**22.4**	89	**22.2**	89	1	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TCLP Metals
EPA 1311/6010B

Matrix: TCLP Extract
Units: mg/L (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-192-01					
Client ID:	**Concrete-Bldg7-1109**					
Arsenic	**ND**	0.40	6010B	12-2-09	12-2-09	
Barium	**0.40**	0.20	6010B	12-2-09	12-2-09	
Chromium	**0.023**	0.020	6010B	12-2-09	12-2-09	
Lead	**ND**	0.20	6010B	12-2-09	12-2-09	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TCLP Metals
EPA 1311/6010B
METHOD BLANK QUALITY CONTROL

Date Prepared:	12-1-09
Date Extracted:	12-2-09
Date Analyzed:	12-2-09
Matrix:	TCLP Extract
Units:	mg/L (ppm)
Lab ID:	MB1202T1

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	0.40
Barium	6010B	**ND**	0.20
Chromium	6010B	**ND**	0.020
Lead	6010B	**ND**	0.20

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TCLP Metals
EPA 1311/6010B
DUPLICATE QUALITY CONTROL

Date Prepared: 12-1-09
Date Extracted: 12-2-09
Date Analyzed: 12-2-09

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 11-192-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	0.40	
Barium	**0.399**	**0.395**	1	0.20	
Chromium	**0.0227**	**ND**	NA	0.020	
Lead	**ND**	**ND**	NA	0.20	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TCLP Metals
EPA 1311/6010B
MS/MSD QUALITY CONTROL

Date Prepared: 12-1-09
Date Extracted: 12-2-09
Date Analyzed: 12-2-09

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 11-192-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	4.0	**4.21**	105	**4.29**	107	2	
Barium	4.0	**4.32**	98	**4.39**	100	2	
Chromium	4.0	**4.28**	107	**4.37**	109	2	
Lead	10	**9.75**	98	**10.0**	100	3	

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Laboratory Reference: 0911-192
Project: 14697

% MOISTURE

Date Analyzed: 11-25-09

Client ID	Lab ID	% Moisture
B7-Trench-1-1109	11-192-02	7
B7-Trench-2-1109	11-192-03	11
B7-Trench-3-1109	11-192-04	11

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z1 - The chromatogram is similar to mineral spirits

Z2 - The chromatogram is similar to mineral spirits with GRO.

Z3 - The chromatogram is similar to GRO with DRO.

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Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Page 1 of 1

Laboratory Number: 11-192

Company: AMEC Geomatrix
Project Number: 14697
Project Name: Kelly Moore Paint Co.
Project Manager: Tagga Gray
Sampled by: Erwin Enston / Clea Bleeker

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☒ 2 Day (#1)
- ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals (As, Ba, Cr, Pb)	HEM by 1664	% Moisture
1	Concrete-Bldg 7-1109	11/23/09	15:45	⊗	1											X	●		
2	B7-Trench-1-1109	11/24/09	845	S	5		X	X	X		X		X			X			X
3	B7-Trench-2-1109	11/24/09	900	S	6		X	X	X		X		X			X			↓
4	B7-Trench-3-1109	11/24/09	930	S	6		X	X	X		X		X			X			↓

Clea Bleeker

	Signature	Company	Date	Time
Relinquished by	Clea Bleeker	AMEC GMX	11/24/09	1425
Received by	Brian Smith	Speedy	11/24/09	1425
Relinquished by	Brian Smith	Speedy	11/24/09	1530
Received by		OSE	11/24/09	1530
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions:
⊗ = Concrete
Silica gel/Acid wash cleanup on TPH-Dx
● Added 12/1/09. PB (1 day TAT)

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Client Copy

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 2, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0910-185

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on October 23, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,



David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

Case Narrative
page 1 of 2

Samples were collected on October 20, 21, and 22, 2009, and received by the laboratory on October 23, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Volatiles EPA 8260B (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Some MTCA A cleanup levels are non-achievable for sample PCS-1 due to the necessary dilution of the sample.

The Matrix Spike/Matrix Spike Duplicate recoveries for Toluene are outside control limits possibly due to a non-homogenous sample. The Spike Blank/Spike Blank Duplicate is also reported with normal Toluene recoveries. This QC set affects samples Stockpile P4 and Stockpile P5.

Some MTCA Method A cleanup levels are non-achievable for samples Product-W1 Wall-1009, Tank6-B-1009, Product-W2 Wall-1009, and Product-N Wall-1009 due to the necessary dilution of the samples.

Surrogate Standard 4-Bromofluorobenzene is outside control limits for sample Product-W2 Wall-1009 due to the high concentration of co-eluting compounds.

Total Metals EPA 6020/7471A Analysis

For sample PCS-1, due to the high concentration of Aluminum in the QC sample, the amount spiked was insufficient for meaningful MS/MSD recovery data. The Spike Blank recovery was 94%.

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Samples Submitted: October 23, 2009
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Project: 14697

Case Narrative
page 2 of 2

Semivolatiles EPA 8270D/SIM (soil) Analysis

Samples Tank 3-B-1009, Product-W1 Wall-1009, Tank 4-B-1009, Tank 6-B-1009 and Product-W2 Wall-1009 had one surrogate recovery out of control limits. This is within allowance of our standard operation procedure as long as the recovery is above 10%.

Semivolatiles EPA 8270D/SIM (water) Analysis

The MS/MSD pair and the sample Product-GW-1009 had one surrogate recovery out of control limits. This is within allowance of our standard operation procedure as long as the recovery is above 10%.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-13				
Client ID:	**PCS-1**				
TPH-Gas	**490**	13	10-23-09	10-23-09	Z
Surrogate: Fluorobenzene	99%	53-126			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted:	10-23-09
Date Analyzed:	10-23-09
Matrix: Soil	
Units: mg/kg (ppm)	
Lab ID:	MB1023S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	101%		

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-23-09
Date Analyzed: 10-26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	10-181-01 **Original**	10-181-01 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	98%	96%		

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-05				
Client ID:	**Stockpile-P1**				
TPH-Gas	**ND**	4.9	10-26-09	10-26-09	
Surrogate: Fluorobenzene	95%	53-126			
Lab ID:	10-185-07				
Client ID:	**Stockpile-P2**				
TPH-Gas	**9.8**	4.9	10-26-09	10-26-09	
Surrogate: Fluorobenzene	91%	53-126			
Lab ID:	10-185-11				
Client ID:	**Stockpile-P3**				
TPH-Gas	**ND**	6.8	10-26-09	10-26-09	
Surrogate: Fluorobenzene	104%	53-126			
Lab ID:	10-185-18				
Client ID:	**Stockpile-P4**				
TPH-Gas	**ND**	5.3	10-26-09	10-26-09	
Surrogate: Fluorobenzene	93%	53-126			
Lab ID:	10-185-19				
Client ID:	**Stockpile-P5**				
TPH-Gas	**ND**	6.7	10-26-09	10-26-09	
Surrogate: Fluorobenzene	95%	53-126			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1026S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0

Surrogate Recovery:
Fluorobenzene 96%

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	10-185-19 **Original**	10-185-19 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	95%	96%		

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-01				
Client ID:	**Tank3-B-1009**				
TPH-Gas	**ND**	6.7	10-26-09	10-26-09	
Surrogate: Fluorobenzene	95%	53-126			
Lab ID:	10-185-02				
Client ID:	**Product-W1Wall-1009**				
TPH-Gas	**450**	6.7	10-26-09	10-26-09	Z
Surrogate: Fluorobenzene	95%	53-126			
Lab ID:	10-185-03				
Client ID:	**Tank4-B-1009**				
TPH-Gas	**36**	7.4	10-26-09	10-27-09	Z
Surrogate: Fluorobenzene	99%	53-126			
Lab ID:	10-185-04				
Client ID:	**Tank5-B-1009**				
TPH-Gas	**ND**	7.6	10-26-09	10-26-09	
Surrogate: Fluorobenzene	94%	53-126			
Lab ID:	10-185-06				
Client ID:	**Tank6-B-1009**				
TPH-Gas	**180**	6.2	10-26-09	10-27-09	Z
Surrogate: Fluorobenzene	94%	53-126			
Lab ID:	10-185-08				
Client ID:	**Tank7-B-1009**				
TPH-Gas	**ND**	5.3	10-26-09	10-27-09	
Surrogate: Fluorobenzene	93%	53-126			

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Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-09				
Client ID:	**Product-W2Wall-1009**				
TPH-Gas	**3600**	140	10-26-09	10-27-09	Z
Surrogate: Fluorobenzene	87%	53-126			
Lab ID:	10-185-12				
Client ID:	**Tank8-B-1009**				
TPH-Gas	**ND**	7	10-26-09	10-27-09	
Surrogate: Fluorobenzene	94%	53-126			
Lab ID:	10-185-14				
Client ID:	**Tank9-B-1009**				
TPH-Gas	**28**	7.4	10-26-09	10-27-09	Z
Surrogate: Fluorobenzene	93%	53-126			

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Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-15				
Client ID:	**Product-NWall-1009**				
TPH-Gas	**100**	7.5	10-26-09	10-27-09	Z
Surrogate: Fluorobenzene	94%	53-126			
Lab ID:	10-185-16				
Client ID:	**Product-E1Wall-1009**				
TPH-Gas	**ND**	6.7	10-26-09	10-27-09	
Surrogate: Fluorobenzene	95%	53-126			
Lab ID:	10-185-17				
Client ID:	**Product-E2Wall-1009**				
TPH-Gas	**ND**	6.3	10-26-09	10-27-09	
Surrogate: Fluorobenzene	93%	53-126			

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Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-20				
Client ID:	**Product-SWall-1009**				
TPH-Gas	**9.8**	7.7	10-26-09	10-27-09	Z
Surrogate: Fluorobenzene	95%	53-126			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1026S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	96%		

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MD1026S2

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	95%		

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	10-185-18 **Original**	10-185-18 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	93%	98%		

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	10-185-19 **Original**	10-185-19 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	95%	96%		

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-10				
Client ID:	**Product-GW-1009**				
TPH-Gas	**200000**	25000	10-26-09	10-26-09	
Surrogate: Fluorobenzene	97%	74-121			

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Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1026W1

	Result	Flags	PQL
TPH-Gas	**ND**		100

Surrogate Recovery:
Fluorobenzene 96%

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Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Water
Units: ug/L (ppb)

Lab ID:	10-185-10 **Original**	10-185-10 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**198000**	**186000**	6	
Surrogate Recovery:				
Fluorobenzene	97%	96%		

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-13				
Client ID:	**PCS-1**				
Diesel Range	**ND**	28	10-23-09	10-23-09	Y
Lube Oil	**90**	56	10-23-09	10-23-09	Y
Surrogate: o-terphenyl	78%	50-150			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	10-23-09
Date Analyzed:	10-23-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1023S1
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	96%
Flags:	Y

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	10-23-09
Date Analyzed:	10-23-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	10-157-34	10-157-34 DUP
Diesel Range:	**ND**	**ND**
PQL:	25	25
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	104%	71%
Flags:	Y	Y

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-05				
Client ID:	**Stockpile-P1**				
Diesel Range	**ND**	27	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	53	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	123%	50-150			
Lab ID:	10-185-07				
Client ID:	**Stockpile-P2**				
Diesel Range	**ND**	26	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	52	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	56%	50-150			
Lab ID:	10-185-11				
Client ID:	**Stockpile-P3**				
Diesel Range	**ND**	29	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	58	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	111%	50-150			
Lab ID:	10-185-18				
Client ID:	**Stockpile-P4**				
Diesel Range	**ND**	26	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	52	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	115%	50-150			
Lab ID:	10-185-19				
Client ID:	**Stockpile-P5**				
Diesel Range	**ND**	27	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	54	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	110%	50-150			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	10-27-09
Date Analyzed:	10-27-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1027S1
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	119%
Flags:	Y

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	10-27-09
Date Analyzed:	10-27-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	10-185-19	10-185-19 DUP
Diesel Range:	**ND**	**ND**
PQL:	25	25
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	110%	86%
Flags:	Y	Y

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-01				
Client ID:	**Tank3-B-1009**				
Diesel Range	**ND**	29	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	58	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	104%	50-150			
Lab ID:	10-185-02				
Client ID:	**Product-W1 Wall-1009**				
Diesel Range	**ND**	320	10-27-09	10-27-09	Y,U1
Lube Oil	**61**	55	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	125%	50-150			
Lab ID:	10-185-03				
Client ID:	**Tank4-B-1009**				
Diesel Range Organics	**ND**	36	10-27-09	10-27-09	Y,U1
Lube Oil Range	**ND**	64	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	114%	50-150			
Lab ID:	10-185-04				
Client ID:	**Tank5-B-1009**				
Diesel Range	**ND**	30	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	60	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	116%	50-150			
Lab ID:	10-185-06				
Client ID:	**Tank6-B-1009**				
Diesel Range Organics	**ND**	30	10-27-09	10-27-09	Y,U1
Lube Oil Range	**ND**	56	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	66%	50-150			

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Date of Report: November 2, 2009
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Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-08				
Client ID:	**Tank7-B-1009**				
Diesel Range	**ND**	29	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	57	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	96%	50-150			
Lab ID:	10-185-09				
Client ID:	**Product-W2 Wall-1009**				
Diesel Range	**ND**	1500	10-27-09	10-27-09	Y,U1
Lube Oil	**62**	56	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	103%	50-150			
Lab ID:	10-185-12				
Client ID:	**Tank8-B-1009**				
Diesel Range	**ND**	29	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	59	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	95%	50-150			
Lab ID:	10-185-14				
Client ID:	**Tank9-B-1009**				
Diesel Range Organics	**ND**	88	10-27-09	10-27-09	Y,U1
Lube Oil Range	**ND**	61	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	103%	50-150			
Lab ID:	10-185-15				
Client ID:	**Product-N wall-1009**				
Diesel Range	**ND**	32	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	64	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	94%	50-150			

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Date of Report: November 2, 2009
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Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-16				
Client ID:	**Product-E1 Wall-1009**				
Diesel Range	**ND**	28	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	56	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	106%	50-150			
Lab ID:	10-185-17				
Client ID:	**Product-E2 Wall-1009**				
Diesel Range	**ND**	29	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	58	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	88%	50-150			
Lab ID:	10-185-20				
Client ID:	**Product-S wall-1009**				
Diesel Range	**ND**	30	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	61	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	115%	50-150			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	10-27-09
Date Analyzed:	10-27-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1027S1
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	119%
Flags:	Y

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Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-27-09
Date Analyzed: 10-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	10-185-18	10-185-18 DUP
Diesel Range:	**ND**	**ND**
PQL:	25	25
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	115%	123%
Flags:	Y	Y

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Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
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NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	10-27-09
Date Analyzed:	10-27-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	10-185-19	10-185-19 DUP
Diesel Range:	**ND**	**ND**
PQL:	25	25
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	110%	86%
Flags:	Y	Y

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-10				
Client ID:	**Product-GW-1009**				
Diesel Range	**ND**	1.8	10-23-09	10-23-09	Y,U1
Lube Oil	**0.45**	0.43	10-23-09	10-23-09	Y
Surrogate: o-terphenyl	89%	50-150			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	10-23-09
Date Analyzed:	10-23-09
Matrix:	Water
Units:	mg/L (ppm)
Lab ID:	MB1023W1
Diesel Range:	**ND**
PQL:	0.25
Identification:	---
Lube Oil Range:	**ND**
PQL:	0.40
Identification:	---
Surrogate Recovery	
o-Terphenyl:	90%
Flags:	Y

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NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	10-23-09
Date Analyzed:	10-23-09
Matrix:	Water
Units:	mg/L (ppm)

Lab ID:	10-185-10	10-185-10 DUP
Diesel Range:	**ND**	**ND**
PQL:	1.8	1.1
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	89%	87%
Flags:	Y,U1	Y,U1

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**PCS-1**					
Laboratory ID:	10-185-13					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Pyridine	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Phenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Aniline	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Hexachloroethane	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Nitrobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Isophorone	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Naphthalene	**0.0083**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2-Methylnaphthalene	**0.010**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
1-Methylnaphthalene	**0.0095**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Acenaphthylene	**ND**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	10-23-09	10-23-09	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**PCS-1**					
Laboratory ID:	10-185-13					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-23-09	10-23-09	
Acenaphthene	**ND**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Dibenzofuran	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Diethylphthalate	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Fluorene	**ND**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-23-09	10-23-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-23-09	10-23-09	
Phenanthrene	**0.046**	0.037	EPA 8270	10-23-09	10-23-09	
Anthracene	**ND**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
Carbazole	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Fluoranthene	**0.057**	0.037	EPA 8270	10-23-09	10-23-09	
Benzidine	**ND**	0.37	EPA 8270	10-23-09	10-23-09	
Pyrene	**0.066**	0.037	EPA 8270	10-23-09	10-23-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	10-23-09	10-23-09	
Benzo[a]anthracene	**0.040**	0.037	EPA 8270	10-23-09	10-23-09	
Chrysene	**0.052**	0.037	EPA 8270	10-23-09	10-23-09	
bis(2-Ethylhexyl)phthalate	**0.051**	0.037	EPA 8270	10-23-09	10-23-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Benzo[b]fluoranthene	**0.077**	0.037	EPA 8270	10-23-09	10-23-09	
Benzo[k]fluoranthene	**0.016**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
Benzo[a]pyrene	**0.044**	0.037	EPA 8270	10-23-09	10-23-09	
Indeno[1,2,3-cd]pyrene	**0.025**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
Dibenz[a,h]anthracene	**0.010**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
Benzo[g,h,i]perylene	**0.041**	0.037	EPA 8270	10-23-09	10-23-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*57*	*19 - 97*				
Phenol-d6	*58*	*22 - 108*				
Nitrobenzene-d5	*61*	*21 - 106*				
2-Fluorobiphenyl	*76*	*29 - 107*				
2,4,6-Tribromophenol	*105*	*44 - 121*				
Terphenyl-d14	*83*	*37 - 120*				

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Date of Report: November 2, 2009
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SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1023S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Pyridine	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Phenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Aniline	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Hexachloroethane	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Nitrobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Isophorone	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	10-23-09	10-23-09	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1023S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	10-23-09	10-23-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Dibenzofuran	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Diethylphthalate	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	10-23-09	10-23-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	10-23-09	10-23-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Carbazole	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Benzidine	**ND**	0.33	EPA 8270	10-23-09	10-23-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	10-23-09	10-23-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*67*	*19 - 97*				
Phenol-d6	*66*	*22 - 108*				
Nitrobenzene-d5	*68*	*21 - 106*				
2-Fluorobiphenyl	*74*	*29 - 107*				
2,4,6-Tribromophenol	*103*	*44 - 121*				
Terphenyl-d14	*84*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-185-13										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**1.00**	**1.02**	1.33	1.33	ND	75	77	38 - 97	2	30	
2-Chlorophenol	**1.06**	**1.09**	1.33	1.33	ND	80	82	28 - 102	3	38	
1,4-Dichlorobenzene	**0.499**	**0.534**	0.667	0.667	ND	75	80	14 - 84	7	41	
N-Nitroso-di-n-propylamine	**0.530**	**0.547**	0.667	0.667	ND	79	82	25 - 104	3	39	
1,2,4-Trichlorobenzene	**0.542**	**0.577**	0.667	0.667	ND	81	87	23 - 93	6	37	
4-Chloro-3-methylphenol	**1.19**	**1.24**	1.33	1.33	ND	89	93	49 - 113	4	31	
Acenaphthene	**0.575**	**0.599**	0.667	0.667	ND	86	90	37 - 101	4	40	
4-Nitrophenol	**1.32**	**1.33**	1.33	1.33	ND	99	100	30 - 136	1	31	
2,4-Dinitrotoluene	**0.677**	**0.696**	0.667	0.667	ND	101	104	36 - 122	3	32	
Pentachlorophenol	**1.43**	**1.35**	1.33	1.33	ND	108	102	15 - 143	6	34	
Pyrene	**0.700**	**0.697**	0.667	0.667	0.0590	96	96	24 - 138	0	39	
Surrogate:											
2-Fluorophenol						*71*	*71*	*19 - 97*			
Phenol-d6						*68*	*68*	*22 - 108*			
Nitrobenzene-d5						*69*	*71*	*21 - 106*			
2-Fluorobiphenyl						*79*	*83*	*29 - 107*			
2,4,6-Tribromophenol						*113*	*111*	*44 - 121*			
Terphenyl-d14						*88*	*87*	*37 - 120*			

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Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P1**					
Laboratory ID:	10-185-05					
N-Nitrosodimethylamine	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.035	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P1**					
Laboratory ID:	10-185-05					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.18	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.018**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.35	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.018**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.35	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.020**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**0.026**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.055**	0.035	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.011**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**0.023**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.018**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.0081**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.021**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*84*	*19 - 97*				
Phenol-d6	*78*	*22 - 108*				
Nitrobenzene-d5	*76*	*21 - 106*				
2-Fluorobiphenyl	*87*	*29 - 107*				
2,4,6-Tribromophenol	*118*	*44 - 121*				
Terphenyl-d14	*99*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P2**					
Laboratory ID:	10-185-07					
N-Nitrosodimethylamine	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.034	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P2**					
Laboratory ID:	10-185-07					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.012**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.34	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.012**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.34	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.012**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**0.014**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**0.036**	0.034	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.025**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.0070**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**0.013**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.011**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.013**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*76*	*19 - 97*				
Phenol-d6	*73*	*22 - 108*				
Nitrobenzene-d5	*69*	*21 - 106*				
2-Fluorobiphenyl	*80*	*29 - 107*				
2,4,6-Tribromophenol	*113*	*44 - 121*				
Terphenyl-d14	*92*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P3**					
Laboratory ID:	10-185-11					
N-Nitrosodimethylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P3**					
Laboratory ID:	10-185-11					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.019**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.39	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.019**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.39	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.022**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**0.028**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.061**	0.039	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.015**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**0.022**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.016**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.019**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*84*	*19 - 97*				
Phenol-d6	*79*	*22 - 108*				
Nitrobenzene-d5	*73*	*21 - 106*				
2-Fluorobiphenyl	*84*	*29 - 107*				
2,4,6-Tribromophenol	*118*	*44 - 121*				
Terphenyl-d14	*99*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P4**					
Laboratory ID:	10-185-18					
N-Nitrosodimethylamine	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Pyridine	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Phenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Aniline	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethyl)ether	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2-Chlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
1,3-Dichlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
1,4-Dichlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Benzyl alcohol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
1,2-Dichlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2-Methylphenol (o-Cresol)	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroisopropyl)ether	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
N-Nitroso-di-n-propylamine	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Hexachloroethane	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Nitrobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Isophorone	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2-Nitrophenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,4-Dimethylphenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethoxy)methane	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,4-Dichlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
1,2,4-Trichlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Naphthalene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
4-Chloroaniline	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Hexachlorobutadiene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
4-Chloro-3-methylphenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2-Methylnaphthalene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
1-Methylnaphthalene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Hexachlorocyclopentadiene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,4,6-Trichlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,3-Dichloroaniline	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,4,5-Trichlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2-Chloronaphthalene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2-Nitroaniline	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
1,4-Dinitrobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Dimethylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
1,3-Dinitrobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,6-Dinitrotoluene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
1,2-Dinitrobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Acenaphthylene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
3-Nitroaniline	**ND**	0.035	EPA 8270	10-26-09	10-27-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P4**					
Laboratory ID:	10-185-18					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	10-26-09	10-27-09	
Acenaphthene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
4-Nitrophenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,4-Dinitrotoluene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Dibenzofuran	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Diethylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
4-Chlorophenyl-phenylether	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
4-Nitroaniline	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Fluorene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	10-26-09	10-27-09	
N-Nitrosodiphenylamine	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
1,2-Diphenylhydrazine	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
4-Bromophenyl-phenylether	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Hexachlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	10-26-09	10-27-09	
Phenanthrene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Anthracene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Carbazole	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Di-n-butylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Fluoranthene	**0.012**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Benzidine	**ND**	0.35	EPA 8270	10-26-09	10-27-09	
Pyrene	**0.011**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Butylbenzylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
bis-2-Ethylhexyladipate	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
3,3'-Dichlorobenzidine	**ND**	0.35	EPA 8270	10-26-09	10-27-09	
Benzo[a]anthracene	**0.013**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Chrysene	**0.016**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Di-n-octylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Benzo[b]fluoranthene	**0.036**	0.035	EPA 8270	10-26-09	10-27-09	
Benzo[k]fluoranthene	**0.0076**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[a]pyrene	**0.015**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Indeno[1,2,3-cd]pyrene	**0.012**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Dibenz[a,h]anthracene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[g,h,i]perylene	**0.014**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*78*	*19 - 97*				
Phenol-d6	*74*	*22 - 108*				
Nitrobenzene-d5	*68*	*21 - 106*				
2-Fluorobiphenyl	*80*	*29 - 107*				
2,4,6-Tribromophenol	*106*	*44 - 121*				
Terphenyl-d14	*87*	*37 - 120*				

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Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P5**					
Laboratory ID:	10-185-19					
N-Nitrosodimethylamine	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Pyridine	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Phenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Aniline	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethyl)ether	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2-Chlorophenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
1,3-Dichlorobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
1,4-Dichlorobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Benzyl alcohol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
1,2-Dichlorobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2-Methylphenol (o-Cresol)	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroisopropyl)ether	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
N-Nitroso-di-n-propylamine	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Hexachloroethane	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Nitrobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Isophorone	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2-Nitrophenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,4-Dimethylphenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethoxy)methane	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,4-Dichlorophenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
1,2,4-Trichlorobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Naphthalene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
4-Chloroaniline	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Hexachlorobutadiene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
4-Chloro-3-methylphenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2-Methylnaphthalene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
1-Methylnaphthalene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Hexachlorocyclopentadiene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,4,6-Trichlorophenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,3-Dichloroaniline	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,4,5-Trichlorophenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2-Chloronaphthalene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2-Nitroaniline	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
1,4-Dinitrobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Dimethylphthalate	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
1,3-Dinitrobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,6-Dinitrotoluene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
1,2-Dinitrobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Acenaphthylene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
3-Nitroaniline	**ND**	0.036	EPA 8270	10-26-09	10-27-09	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P5**					
Laboratory ID:	10-185-19					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	10-26-09	10-27-09	
Acenaphthene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
4-Nitrophenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,4-Dinitrotoluene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Dibenzofuran	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Diethylphthalate	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
4-Chlorophenyl-phenylether	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
4-Nitroaniline	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Fluorene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	10-26-09	10-27-09	
N-Nitrosodiphenylamine	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
1,2-Diphenylhydrazine	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
4-Bromophenyl-phenylether	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Hexachlorobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Pentachlorophenol	**ND**	0.18	EPA 8270	10-26-09	10-27-09	
Phenanthrene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Anthracene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Carbazole	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Di-n-butylphthalate	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Fluoranthene	**0.011**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Benzidine	**ND**	0.36	EPA 8270	10-26-09	10-27-09	
Pyrene	**0.010**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Butylbenzylphthalate	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
bis-2-Ethylhexyladipate	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
3,3'-Dichlorobenzidine	**ND**	0.36	EPA 8270	10-26-09	10-27-09	
Benzo[a]anthracene	**0.013**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Chrysene	**0.016**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Di-n-octylphthalate	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Benzo[b]fluoranthene	**0.029**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[k]fluoranthene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[a]pyrene	**0.013**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Indeno[1,2,3-cd]pyrene	**0.010**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Dibenz[a,h]anthracene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[g,h,i]perylene	**0.012**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*76*	*19 - 97*				
Phenol-d6	*71*	*22 - 108*				
Nitrobenzene-d5	*70*	*21 - 106*				
2-Fluorobiphenyl	*79*	*29 - 107*				
2,4,6-Tribromophenol	*118*	*44 - 121*				
Terphenyl-d14	*100*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1026S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1026S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.33	EPA 8270	10-26-09	10-26-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*77*	*19 - 97*				
Phenol-d6	*71*	*22 - 108*				
Nitrobenzene-d5	*70*	*21 - 106*				
2-Fluorobiphenyl	*80*	*29 - 107*				
2,4,6-Tribromophenol	*116*	*44 - 121*				
Terphenyl-d14	*106*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-185-19										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**1.10**	**1.07**	1.33	1.33	ND	83	80	38 - 97	3	30	
2-Chlorophenol	**1.22**	**1.16**	1.33	1.33	ND	92	87	28 - 102	5	38	
1,4-Dichlorobenzene	**0.573**	**0.538**	0.667	0.667	ND	86	81	14 - 86	6	41	
N-Nitroso-di-n-propylamine	**0.494**	**0.474**	0.667	0.667	ND	74	71	25 - 104	4	39	
1,2,4-Trichlorobenzene	**0.608**	**0.574**	0.667	0.667	ND	91	86	23 - 93	6	37	
4-Chloro-3-methylphenol	**1.32**	**1.22**	1.33	1.33	ND	99	92	49 - 113	8	31	
Acenaphthene	**0.599**	**0.587**	0.667	0.667	ND	90	88	37 - 101	2	40	
4-Nitrophenol	**1.57**	**1.53**	1.33	1.33	ND	118	115	30 - 136	3	31	
2,4-Dinitrotoluene	**0.736**	**0.730**	0.667	0.667	ND	110	109	36 - 122	1	32	
Pentachlorophenol	**1.33**	**1.29**	1.33	1.33	ND	100	97	15 - 143	3	34	
Pyrene	**0.700**	**0.704**	0.667	0.667	ND	105	106	24 - 138	1	39	
Surrogate:											
2-Fluorophenol						*83*	*79*	*19 - 97*			
Phenol-d6						*76*	*72*	*22 - 108*			
Nitrobenzene-d5						*76*	*70*	*21 - 106*			
2-Fluorobiphenyl						*84*	*82*	*29 - 107*			
2,4,6-Tribromophenol						*120*	*117*	*44 - 121*			
Terphenyl-d14						*102*	*100*	*37 - 120*			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 3-B-1009**					
Laboratory ID:	10-185-01					
N-Nitrosodimethylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 3-B-1009**					
Laboratory ID:	10-185-01					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**0.010**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**0.010**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.10**	0.039	EPA 8270	10-26-09	10-26-09	
Benzidine	**ND**	0.39	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.093**	0.039	EPA 8270	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.39	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.061**	0.039	EPA 8270	10-26-09	10-26-09	
Chrysene	**0.083**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.13**	0.039	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.043**	0.039	EPA 8270	10-26-09	10-26-09	
Benzo[a]pyrene	**0.079**	0.039	EPA 8270	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.067**	0.039	EPA 8270	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.020**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.080**	0.039	EPA 8270	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*89*	*19 - 97*				
Phenol-d6	*84*	*22 - 108*				
Nitrobenzene-d5	*83*	*21 - 106*				
2-Fluorobiphenyl	*92*	*29 - 107*				
2,4,6-Tribromophenol	*130*	*44 - 121*				Q
Terphenyl-d14	*107*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-W1 Wall-1009**					
Laboratory ID:	10-185-02					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Naphthalene	**0.014**	0.0073	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**0.071**	0.037	EPA 8270	10-26-09	10-26-09	
1-Methylnaphthalene	**0.039**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0073	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-W1 Wall-1009**					
Laboratory ID:	10-185-02					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**0.040**	0.037	EPA 8270	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluorene	**0.041**	0.037	EPA 8270	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.18	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**0.23**	0.037	EPA 8270	10-26-09	10-26-09	
Anthracene	**0.038**	0.037	EPA 8270	10-26-09	10-26-09	
Carbazole	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.21**	0.037	EPA 8270	10-26-09	10-26-09	
Benzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.20**	0.037	EPA 8270	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.073**	0.037	EPA 8270	10-26-09	10-26-09	
Chrysene	**0.089**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.085**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.020**	0.0073	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**0.062**	0.037	EPA 8270	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.027**	0.0073	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.011**	0.0073	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.042**	0.037	EPA 8270	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*88*	*19 - 97*				
Phenol-d6	*82*	*22 - 108*				
Nitrobenzene-d5	*78*	*21 - 106*				
2-Fluorobiphenyl	*90*	*29 - 107*				
2,4,6-Tribromophenol	*133*	*44 - 121*				Q
Terphenyl-d14	*106*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 4-B-1009**					
Laboratory ID:	10-185-03					
N-Nitrosodimethylamine	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Naphthalene	**0.064**	0.043	EPA 8270	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**0.013**	0.0085	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**0.0086**	0.0085	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**0.056**	0.043	EPA 8270	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.043	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 4-B-1009**					
Laboratory ID:	10-185-03					
2,4-Dinitrophenol	**ND**	0.21	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**0.020**	0.0085	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Fluorene	**0.057**	0.043	EPA 8270	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.21	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.21	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**0.33**	0.043	EPA 8270	10-26-09	10-26-09	
Anthracene	**0.18**	0.043	EPA 8270	10-26-09	10-26-09	
Carbazole	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**1.5**	0.043	EPA 8270	10-26-09	10-26-09	
Benzidine	**ND**	0.43	EPA 8270	10-26-09	10-26-09	
Pyrene	**2.0**	0.043	EPA 8270	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.43	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.90**	0.043	EPA 8270	10-26-09	10-26-09	
Chrysene	**1.3**	0.043	EPA 8270	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**1.7**	0.043	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.53**	0.043	EPA 8270	10-26-09	10-26-09	
Benzo[a]pyrene	**1.8**	0.043	EPA 8270	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**1.3**	0.043	EPA 8270	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.068**	0.043	EPA 8270	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**1.7**	0.043	EPA 8270	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*83*	*19 - 97*				
Phenol-d6	*79*	*22 - 108*				
Nitrobenzene-d5	*75*	*21 - 106*				
2-Fluorobiphenyl	*90*	*29 - 107*				
2,4,6-Tribromophenol	*139*	*44 - 121*				Q
Terphenyl-d14	*118*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 5-B-1009**					
Laboratory ID:	10-185-04					
N-Nitrosodimethylamine	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.040	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 5-B-1009**					
Laboratory ID:	10-185-04					
2,4-Dinitrophenol	**ND**	0.20	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.20	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.20	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.40	EPA 8270	10-26-09	10-26-09	
Pyrene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.40	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[k]fluoranthene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*77*	*19 - 97*				
Phenol-d6	*76*	*22 - 108*				
Nitrobenzene-d5	*68*	*21 - 106*				
2-Fluorobiphenyl	*81*	*29 - 107*				
2,4,6-Tribromophenol	*119*	*44 - 121*				
Terphenyl-d14	*101*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 6-B-1009**					
Laboratory ID:	10-185-06					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Naphthalene	**0.026**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**0.013**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**0.0085**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 6-B-1009**					
Laboratory ID:	10-185-06					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluorene	**0.010**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**0.11**	0.037	EPA 8270	10-26-09	10-26-09	
Anthracene	**0.022**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.25**	0.037	EPA 8270	10-26-09	10-26-09	
Benzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.25**	0.037	EPA 8270	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.10**	0.037	EPA 8270	10-26-09	10-26-09	
Chrysene	**0.12**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.12**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.037**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[a]pyrene	**0.090**	0.037	EPA 8270	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.052**	0.037	EPA 8270	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.017**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.061**	0.037	EPA 8270	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*90*	*19 - 97*				
Phenol-d6	*86*	*22 - 108*				
Nitrobenzene-d5	*81*	*21 - 106*				
2-Fluorobiphenyl	*95*	*29 - 107*				
2,4,6-Tribromophenol	*137*	*44 - 121*				Q
Terphenyl-d14	*108*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 7-B-1009**					
Laboratory ID:	10-185-08					
N-Nitrosodimethylamine	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.038	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 7-B-1009**					
Laboratory ID:	10-185-08					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.0098**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.38	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.0096**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.38	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.011**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**0.014**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.024**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[k]fluoranthene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**0.013**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.0091**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.011**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*77*	*19 - 97*				
Phenol-d6	*73*	*22 - 108*				
Nitrobenzene-d5	*69*	*21 - 106*				
2-Fluorobiphenyl	*81*	*29 - 107*				
2,4,6-Tribromophenol	*120*	*44 - 121*				
Terphenyl-d14	*97*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-W2 Wall-1009**					
Laboratory ID:	10-185-09					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Naphthalene	**0.0096**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**0.0076**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	

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Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-W2 Wall-1009**					
Laboratory ID:	10-185-09					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**0.13**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluorene	**0.019**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**0.21**	0.037	EPA 8270	10-26-09	10-26-09	
Anthracene	**0.055**	0.037	EPA 8270	10-26-09	10-26-09	
Carbazole	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.56**	0.037	EPA 8270	10-26-09	10-26-09	
Benzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.54**	0.037	EPA 8270	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.25**	0.037	EPA 8270	10-26-09	10-26-09	
Chrysene	**0.30**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.30**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.088**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[a]pyrene	**0.22**	0.037	EPA 8270	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.12**	0.037	EPA 8270	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.037**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.14**	0.037	EPA 8270	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*84*	*19 - 97*				
Phenol-d6	*79*	*22 - 108*				
Nitrobenzene-d5	*77*	*21 - 106*				
2-Fluorobiphenyl	*93*	*29 - 107*				
2,4,6-Tribromophenol	*137*	*44 - 121*				Q
Terphenyl-d14	*105*	*37 - 120*				

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Date of Report: November 2, 2009
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Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 8-B-1009**					
Laboratory ID:	10-185-12					
N-Nitrosodimethylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 8-B-1009**					
Laboratory ID:	10-185-12					
2,4-Dinitrophenol	**ND**	0.20	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.20	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.20	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.018**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.39	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.017**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.39	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.022**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**0.041**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.066**	0.039	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.016**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**0.025**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.021**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.0093**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.024**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*76*	*19 - 97*				
Phenol-d6	*73*	*22 - 108*				
Nitrobenzene-d5	*68*	*21 - 106*				
2-Fluorobiphenyl	*80*	*29 - 107*				
2,4,6-Tribromophenol	*114*	*44 - 121*				
Terphenyl-d14	*94*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 9-B-1009**					
Laboratory ID:	10-185-14					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Naphthalene	**0.024**	0.0074	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**0.0099**	0.0074	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0074	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0074	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
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Laboratory Reference: 0910-185
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 9-B-1009**					
Laboratory ID:	10-185-14					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**0.052**	0.037	EPA 8270	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluorene	**0.058**	0.037	EPA 8270	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**0.14**	0.037	EPA 8270	10-26-09	10-26-09	
Anthracene	**0.041**	0.037	EPA 8270	10-26-09	10-26-09	
Carbazole	**0.041**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.28**	0.037	EPA 8270	10-26-09	10-26-09	
Benzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.25**	0.037	EPA 8270	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.086**	0.037	EPA 8270	10-26-09	10-26-09	
Chrysene	**0.11**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**0.049**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.11**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.037**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[a]pyrene	**0.084**	0.037	EPA 8270	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.052**	0.037	EPA 8270	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.015**	0.0074	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.069**	0.037	EPA 8270	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*60*	*19 - 97*				
Phenol-d6	*58*	*22 - 108*				
Nitrobenzene-d5	*54*	*21 - 106*				
2-Fluorobiphenyl	*72*	*29 - 107*				
2,4,6-Tribromophenol	*119*	*44 - 121*				
Terphenyl-d14	*94*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-N Wall-1009**					
Laboratory ID:	10-185-15					
N-Nitrosodimethylamine	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Naphthalene	**0.028**	0.0084	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**0.019**	0.0084	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**0.012**	0.0084	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0084	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.042	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
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Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-N Wall-1009**					
Laboratory ID:	10-185-15					
2,4-Dinitrophenol	**ND**	0.21	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**0.025**	0.0084	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Fluorene	**0.050**	0.042	EPA 8270	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.21	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.21	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**0.75**	0.042	EPA 8270	10-26-09	10-26-09	
Anthracene	**0.064**	0.042	EPA 8270	10-26-09	10-26-09	
Carbazole	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.52**	0.042	EPA 8270	10-26-09	10-26-09	
Benzidine	**ND**	0.42	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.44**	0.042	EPA 8270	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.42	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.16**	0.042	EPA 8270	10-26-09	10-26-09	
Chrysene	**0.23**	0.042	EPA 8270	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.18**	0.042	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.063**	0.042	EPA 8270	10-26-09	10-26-09	
Benzo[a]pyrene	**0.13**	0.042	EPA 8270	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.062**	0.042	EPA 8270	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.024**	0.0084	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.079**	0.042	EPA 8270	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*64*	*19 - 97*				
Phenol-d6	*63*	*22 - 108*				
Nitrobenzene-d5	*57*	*21 - 106*				
2-Fluorobiphenyl	*75*	*29 - 107*				
2,4,6-Tribromophenol	*117*	*44 - 121*				
Terphenyl-d14	*95*	*37 - 120*				

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Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-E1 Wall-1009**					
Laboratory ID:	10-185-16					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-E1 Wall-1009**					
Laboratory ID:	10-185-16					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Pyrene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[k]fluoranthene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*72*	*19 - 97*				
Phenol-d6	*70*	*22 - 108*				
Nitrobenzene-d5	*65*	*21 - 106*				
2-Fluorobiphenyl	*78*	*29 - 107*				
2,4,6-Tribromophenol	*104*	*44 - 121*				
Terphenyl-d14	*94*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-E2 Wall-1009**					
Laboratory ID:	10-185-17					
N-Nitrosodimethylamine	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Pyridine	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Phenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Aniline	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethyl)ether	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2-Chlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
1,3-Dichlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
1,4-Dichlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Benzyl alcohol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
1,2-Dichlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2-Methylphenol (o-Cresol)	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroisopropyl)ether	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
N-Nitroso-di-n-propylamine	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Hexachloroethane	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Nitrobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Isophorone	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2-Nitrophenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,4-Dimethylphenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethoxy)methane	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,4-Dichlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
1,2,4-Trichlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Naphthalene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
4-Chloroaniline	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Hexachlorobutadiene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
4-Chloro-3-methylphenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2-Methylnaphthalene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
1-Methylnaphthalene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Hexachlorocyclopentadiene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,4,6-Trichlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,3-Dichloroaniline	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,4,5-Trichlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2-Chloronaphthalene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2-Nitroaniline	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
1,4-Dinitrobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Dimethylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
1,3-Dinitrobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,6-Dinitrotoluene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
1,2-Dinitrobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Acenaphthylene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
3-Nitroaniline	**ND**	0.038	EPA 8270	10-26-09	10-27-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-E2 Wall-1009**					
Laboratory ID:	10-185-17					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-26-09	10-27-09	
Acenaphthene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
4-Nitrophenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,4-Dinitrotoluene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Dibenzofuran	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Diethylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
4-Chlorophenyl-phenylether	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
4-Nitroaniline	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Fluorene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-26-09	10-27-09	
N-Nitrosodiphenylamine	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
1,2-Diphenylhydrazine	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
4-Bromophenyl-phenylether	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Hexachlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-26-09	10-27-09	
Phenanthrene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Anthracene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Carbazole	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Di-n-butylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Fluoranthene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Benzidine	**ND**	0.38	EPA 8270	10-26-09	10-27-09	
Pyrene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Butylbenzylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
bis-2-Ethylhexyladipate	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
3,3'-Dichlorobenzidine	**ND**	0.38	EPA 8270	10-26-09	10-27-09	
Benzo[a]anthracene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Chrysene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Di-n-octylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Benzo[b]fluoranthene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[k]fluoranthene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[a]pyrene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Dibenz[a,h]anthracene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[g,h,i]perylene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*75*	*19 - 97*				
Phenol-d6	*70*	*22 - 108*				
Nitrobenzene-d5	*65*	*21 - 106*				
2-Fluorobiphenyl	*80*	*29 - 107*				
2,4,6-Tribromophenol	*109*	*44 - 121*				
Terphenyl-d14	*98*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-5 Wall-1009**					
Laboratory ID:	10-185-20					
N-Nitrosodimethylamine	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Pyridine	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Phenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Aniline	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethyl)ether	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2-Chlorophenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
1,3-Dichlorobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
1,4-Dichlorobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Benzyl alcohol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
1,2-Dichlorobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2-Methylphenol (o-Cresol)	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroisopropyl)ether	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
N-Nitroso-di-n-propylamine	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Hexachloroethane	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Nitrobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Isophorone	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2-Nitrophenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,4-Dimethylphenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethoxy)methane	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,4-Dichlorophenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
1,2,4-Trichlorobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Naphthalene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
4-Chloroaniline	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Hexachlorobutadiene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
4-Chloro-3-methylphenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2-Methylnaphthalene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
1-Methylnaphthalene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Hexachlorocyclopentadiene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,4,6-Trichlorophenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,3-Dichloroaniline	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,4,5-Trichlorophenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2-Chloronaphthalene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2-Nitroaniline	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
1,4-Dinitrobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Dimethylphthalate	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
1,3-Dinitrobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,6-Dinitrotoluene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
1,2-Dinitrobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Acenaphthylene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
3-Nitroaniline	**ND**	0.041	EPA 8270	10-26-09	10-27-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-5 Wall-1009**					
Laboratory ID:	10-185-20					
2,4-Dinitrophenol	**ND**	0.20	EPA 8270	10-26-09	10-27-09	
Acenaphthene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
4-Nitrophenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,4-Dinitrotoluene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Dibenzofuran	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Diethylphthalate	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
4-Chlorophenyl-phenylether	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
4-Nitroaniline	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Fluorene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
4,6-Dinitro-2-methylphenol	**ND**	0.20	EPA 8270	10-26-09	10-27-09	
N-Nitrosodiphenylamine	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
1,2-Diphenylhydrazine	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
4-Bromophenyl-phenylether	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Hexachlorobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Pentachlorophenol	**ND**	0.20	EPA 8270	10-26-09	10-27-09	
Phenanthrene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Anthracene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Carbazole	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Di-n-butylphthalate	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Fluoranthene	**0.017**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Benzidine	**ND**	0.41	EPA 8270	10-26-09	10-27-09	
Pyrene	**0.016**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Butylbenzylphthalate	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
bis-2-Ethylhexyladipate	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
3,3'-Dichlorobenzidine	**ND**	0.41	EPA 8270	10-26-09	10-27-09	
Benzo[a]anthracene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Chrysene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Di-n-octylphthalate	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Benzo[b]fluoranthene	**0.0088**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[k]fluoranthene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[a]pyrene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Dibenz[a,h]anthracene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[g,h,i]perylene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*81*	*19 - 97*				
Phenol-d6	*77*	*22 - 108*				
Nitrobenzene-d5	*68*	*21 - 106*				
2-Fluorobiphenyl	*83*	*29 - 107*				
2,4,6-Tribromophenol	*120*	*44 - 121*				
Terphenyl-d14	*99*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1026S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1026S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.33	EPA 8270	10-26-09	10-26-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*77*	*19 - 97*				
Phenol-d6	*71*	*22 - 108*				
Nitrobenzene-d5	*70*	*21 - 106*				
2-Fluorobiphenyl	*80*	*29 - 107*				
2,4,6-Tribromophenol	*116*	*44 - 121*				
Terphenyl-d14	*106*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-185-19										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**1.10**	**1.07**	1.33	1.33	ND	83	80	38 - 97	3	30	
2-Chlorophenol	**1.22**	**1.16**	1.33	1.33	ND	92	87	28 - 102	5	38	
1,4-Dichlorobenzene	**0.573**	**0.538**	0.667	0.667	ND	86	81	14 - 86	6	41	
N-Nitroso-di-n-propylamine	**0.494**	**0.474**	0.667	0.667	ND	74	71	25 - 104	4	39	
1,2,4-Trichlorobenzene	**0.608**	**0.574**	0.667	0.667	ND	91	86	23 - 93	6	37	
4-Chloro-3-methylphenol	**1.32**	**1.22**	1.33	1.33	ND	99	92	49 - 113	8	31	
Acenaphthene	**0.599**	**0.587**	0.667	0.667	ND	90	88	37 - 101	2	40	
4-Nitrophenol	**1.57**	**1.53**	1.33	1.33	ND	118	115	30 - 136	3	31	
2,4-Dinitrotoluene	**0.736**	**0.730**	0.667	0.667	ND	110	109	36 - 122	1	32	
Pentachlorophenol	**1.33**	**1.29**	1.33	1.33	ND	100	97	15 - 143	3	34	
Pyrene	**0.700**	**0.704**	0.667	0.667	ND	105	106	24 - 138	1	39	
Surrogate:											
2-Fluorophenol						*83*	*79*	*19 - 97*			
Phenol-d6						*76*	*72*	*22 - 108*			
Nitrobenzene-d5						*76*	*70*	*21 - 106*			
2-Fluorobiphenyl						*84*	*82*	*29 - 107*			
2,4,6-Tribromophenol						*120*	*117*	*44 - 121*			
Terphenyl-d14						*102*	*100*	*37 - 120*			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-GW-1009**					
Laboratory ID:	10-185-10					
N-Nitrosodimethylamine	**ND**	10	EPA 8270	10-26-09	10-28-09	
Pyridine	**ND**	100	EPA 8270	10-26-09	10-28-09	
Phenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
Aniline	**ND**	51	EPA 8270	10-26-09	10-28-09	
bis(2-Chloroethyl)ether	**ND**	10	EPA 8270	10-26-09	10-28-09	
2-Chlorophenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
1,3-Dichlorobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
1,4-Dichlorobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
Benzyl alcohol	**ND**	10	EPA 8270	10-26-09	10-28-09	
1,2-Dichlorobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
2-Methylphenol (o-Cresol)	**14**	10	EPA 8270	10-26-09	10-28-09	
bis(2-Chloroisopropyl)ether	**ND**	10	EPA 8270	10-26-09	10-28-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	10	EPA 8270	10-26-09	10-28-09	
N-Nitroso-di-n-propylamine	**ND**	10	EPA 8270	10-26-09	10-28-09	
Hexachloroethane	**ND**	10	EPA 8270	10-26-09	10-28-09	
Nitrobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
Isophorone	**ND**	10	EPA 8270	10-26-09	10-28-09	
2-Nitrophenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,4-Dimethylphenol	**12**	10	EPA 8270	10-26-09	10-28-09	
bis(2-Chloroethoxy)methane	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,4-Dichlorophenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
1,2,4-Trichlorobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
Naphthalene	**0.93**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
4-Chloroaniline	**ND**	100	EPA 8270	10-26-09	10-28-09	
Hexachlorobutadiene	**ND**	10	EPA 8270	10-26-09	10-28-09	
4-Chloro-3-methylphenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
2-Methylnaphthalene	**1.8**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
1-Methylnaphthalene	**ND**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
Hexachlorocyclopentadiene	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,4,6-Trichlorophenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,3-Dichloroaniline	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,4,5-Trichlorophenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
2-Chloronaphthalene	**ND**	10	EPA 8270	10-26-09	10-28-09	
2-Nitroaniline	**ND**	10	EPA 8270	10-26-09	10-28-09	
1,4-Dinitrobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
Dimethylphthalate	**32**	10	EPA 8270	10-26-09	10-28-09	
1,3-Dinitrobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,6-Dinitrotoluene	**ND**	10	EPA 8270	10-26-09	10-28-09	
1,2-Dinitrobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
Acenaphthylene	**ND**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
3-Nitroaniline	**ND**	10	EPA 8270	10-26-09	10-28-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-GW-1009**					
Laboratory ID:	10-185-10					
2,4-Dinitrophenol	**ND**	100	EPA 8270	10-26-09	10-28-09	
Acenaphthene	**ND**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
4-Nitrophenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,4-Dinitrotoluene	**ND**	10	EPA 8270	10-26-09	10-28-09	
Dibenzofuran	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,3,5,6-Tetrachlorophenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,3,4,6-Tetrachlorophenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
Diethylphthalate	**ND**	10	EPA 8270	10-26-09	10-28-09	
4-Chlorophenyl-phenylether	**ND**	10	EPA 8270	10-26-09	10-28-09	
4-Nitroaniline	**ND**	10	EPA 8270	10-26-09	10-28-09	
Fluorene	**ND**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
4,6-Dinitro-2-methylphenol	**ND**	51	EPA 8270	10-26-09	10-28-09	
N-Nitrosodiphenylamine	**ND**	100	EPA 8270	10-26-09	10-28-09	
1,2-Diphenylhydrazine	**ND**	10	EPA 8270	10-26-09	10-28-09	
4-Bromophenyl-phenylether	**ND**	10	EPA 8270	10-26-09	10-28-09	
Hexachlorobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
Pentachlorophenol	**ND**	51	EPA 8270	10-26-09	10-28-09	
Phenanthrene	**ND**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
Anthracene	**ND**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
Carbazole	**ND**	10	EPA 8270	10-26-09	10-28-09	
Di-n-butylphthalate	**ND**	10	EPA 8270	10-26-09	10-28-09	
Fluoranthene	**ND**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
Benzidine	**ND**	100	EPA 8270	10-26-09	10-28-09	
Pyrene	**ND**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
Butylbenzylphthalate	**ND**	10	EPA 8270	10-26-09	10-28-09	
bis-2-Ethylhexyladipate	**ND**	10	EPA 8270	10-26-09	10-28-09	
3,3'-Dichlorobenzidine	**ND**	100	EPA 8270	10-26-09	10-28-09	
Benzo[a]anthracene	**0.30**	0.051	EPA 8270/SIM	10-26-09	10-28-09	
Chrysene	**0.37**	0.051	EPA 8270/SIM	10-26-09	10-28-09	
bis(2-Ethylhexyl)phthalate	**ND**	10	EPA 8270	10-26-09	10-28-09	
Di-n-octylphthalate	**ND**	10	EPA 8270	10-26-09	10-28-09	
Benzo[b]fluoranthene	**0.65**	0.051	EPA 8270/SIM	10-26-09	10-28-09	
Benzo[k]fluoranthene	**0.20**	0.051	EPA 8270/SIM	10-26-09	10-28-09	
Benzo[a]pyrene	**0.37**	0.051	EPA 8270/SIM	10-26-09	10-28-09	
Indeno[1,2,3-cd]pyrene	**0.25**	0.051	EPA 8270/SIM	10-26-09	10-28-09	
Dibenz[a,h]anthracene	**0.12**	0.051	EPA 8270/SIM	10-26-09	10-28-09	
Benzo[g,h,i]perylene	**0.29**	0.051	EPA 8270/SIM	10-26-09	10-28-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*17*	*12 - 91*				
Phenol-d6	*45*	*10 - 102*				
Nitrobenzene-d5	*84*	*27 - 115*				
2-Fluorobiphenyl	*22*	*37 - 111*				Q
2,4,6-Tribromophenol	*86*	*48 - 121*				
Terphenyl-d14	*86*	*47 - 116*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1026W1					
N-Nitrosodimethylamine	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Pyridine	**ND**	10	EPA 8270	10-26-09	10-27-09	
Phenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Aniline	**ND**	5.0	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2-Chlorophenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Benzyl alcohol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
N-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Hexachloroethane	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Nitrobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Isophorone	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2-Nitrophenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Naphthalene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
4-Chloroaniline	**ND**	10	EPA 8270	10-26-09	10-27-09	
Hexachlorobutadiene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2-Chloronaphthalene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2-Nitroaniline	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Dimethylphthalate	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
3-Nitroaniline	**ND**	1.0	EPA 8270	10-26-09	10-27-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1026W1					
2,4-Dinitrophenol	**ND**	10	EPA 8270	10-26-09	10-27-09	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
4-Nitrophenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Dibenzofuran	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Diethylphthalate	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
4-Nitroaniline	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Fluorene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
4,6-Dinitro-2-methylphenol	**ND**	5.0	EPA 8270	10-26-09	10-27-09	
N-Nitrosodiphenylamine	**ND**	10	EPA 8270	10-26-09	10-27-09	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Hexachlorobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Pentachlorophenol	**ND**	5.0	EPA 8270	10-26-09	10-27-09	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
Anthracene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
Carbazole	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Di-n-butylphthalate	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
Benzidine	**ND**	10	EPA 8270	10-26-09	10-27-09	
Pyrene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
Butylbenzylphthalate	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
bis-2-Ethylhexyladipate	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
3,3'-Dichlorobenzidine	**ND**	10	EPA 8270	10-26-09	10-27-09	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	10-26-09	10-27-09	
Chrysene	**ND**	0.010	EPA 8270/SIM	10-26-09	10-27-09	
bis(2-Ethylhexyl)phthalate	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Di-n-octylphthalate	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	10-26-09	10-27-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270/SIM	10-26-09	10-27-09	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	10-26-09	10-27-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*52*	*12 - 91*				
Phenol-d6	*37*	*10 - 102*				
Nitrobenzene-d5	*68*	*27 - 115*				
2-Fluorobiphenyl	*74*	*37 - 111*				
2,4,6-Tribromophenol	*107*	*48 - 121*				
Terphenyl-d14	*87*	*47 - 116*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-185-10										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**23.9**	**24.2**	42.6	42.2	ND	56	57	27 - 116	1	27	
2-Chlorophenol	**42.1**	**42.1**	42.6	42.2	ND	99	100	30 - 120	0	27	
1,4-Dichlorobenzene	**19.6**	**19.7**	21.3	21.1	ND	92	93	27 - 95	1	33	
N-Nitroso-di-n-propylamine	**23.7**	**21.6**	21.3	21.1	ND	111	102	23 - 113	9	36	
1,2,4-Trichlorobenzene	**19.4**	**20.0**	21.3	21.1	ND	91	95	27 - 97	3	38	
4-Chloro-3-methylphenol	**31.5**	**32.4**	42.6	42.2	ND	74	77	41 - 133	3	13	
Acenaphthene	**21.1**	**19.8**	21.3	21.1	ND	99	94	41 - 115	6	14	
4-Nitrophenol	**25.9**	**22.0**	42.6	42.2	ND	61	52	18 - 140	16	39	
2,4-Dinitrotoluene	**17.6**	**18.8**	21.3	21.1	ND	83	89	33 - 135	7	18	
Pentachlorophenol	**53.8**	**43.6**	42.6	42.2	ND	126	103	25 - 151	23	37	
Pyrene	**20.5**	**19.6**	21.3	21.1	ND	96	93	62 - 118	4	16	
Surrogate:											
2-Fluorophenol						*17*	*16*	*12 - 91*			
Phenol-d6						*48*	*48*	*10 - 102*			
Nitrobenzene-d5						*84*	*84*	*27 - 115*			
2-Fluorobiphenyl						*23*	*23*	*37 - 111*			Q
2,4,6-Tribromophenol						*109*	*106*	*48 - 121*			
Terphenyl-d14						*90*	*88*	*47 - 116*			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 10-23-09
Date Analyzed: 10-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-13
Client ID: PCS-1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.060
Chloromethane	ND		0.30
Vinyl Chloride	ND		0.060
Bromomethane	ND		0.060
Chloroethane	ND		0.30
Trichlorofluoromethane	ND		0.060
1,1-Dichloroethene	ND		0.060
Acetone	ND		0.30
Iodomethane	ND		0.30
Carbon Disulfide	ND		0.060
Methylene Chloride	ND		0.30
(trans) 1,2-Dichloroethene	ND		0.060
Methyl t-Butyl Ether	ND		0.060
1,1-Dichloroethane	ND		0.060
Vinyl Acetate	ND		0.30
2,2-Dichloropropane	ND		0.060
(cis) 1,2-Dichloroethene	ND		0.060
2-Butanone	ND		0.30
Bromochloromethane	ND		0.060
Chloroform	ND		0.060
1,1,1-Trichloroethane	ND		0.060
Carbon Tetrachloride	ND		0.060
1,1-Dichloropropene	ND		0.060
Benzene	ND		0.060
1,2-Dichloroethane	ND		0.060
Trichloroethene	ND		0.060
1,2-Dichloropropane	ND		0.060
Dibromomethane	ND		0.060
Bromodichloromethane	ND		0.060
2-Chloroethyl Vinyl Ether	ND		0.30
(cis) 1,3-Dichloropropene	ND		0.060
Methyl Isobutyl Ketone	ND		0.30
Toluene	ND		0.30
(trans) 1,3-Dichloropropene	ND		0.060

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 10-185-13
Client ID: PCS-1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.060
Tetrachloroethene	ND		0.060
1,3-Dichloropropane	ND		0.060
2-Hexanone	ND		0.30
Dibromochloromethane	ND		0.060
1,2-Dibromoethane	ND		0.060
Chlorobenzene	ND		0.060
1,1,1,2-Tetrachloroethane	ND		0.060
Ethylbenzene	0.066		0.060
m,p-Xylene	0.37		0.12
o-Xylene	0.092		0.060
Styrene	ND		0.060
Bromoform	ND		0.060
Isopropylbenzene	ND		0.060
Bromobenzene	ND		0.060
1,1,2,2-Tetrachloroethane	ND		0.060
1,2,3-Trichloropropane	ND		0.060
n-Propylbenzene	ND		0.060
2-Chlorotoluene	ND		0.060
4-Chlorotoluene	ND		0.060
1,3,5-Trimethylbenzene	ND		0.060
tert-Butylbenzene	ND		0.060
1,2,4-Trimethylbenzene	0.090		0.060
sec-Butylbenzene	ND		0.060
1,3-Dichlorobenzene	ND		0.060
p-Isopropyltoluene	ND		0.060
1,4-Dichlorobenzene	ND		0.060
1,2-Dichlorobenzene	ND		0.060
n-Butylbenzene	ND		0.060
1,2-Dibromo-3-chloropropane	ND		0.30
1,2,4-Trichlorobenzene	ND		0.060
Hexachlorobutadiene	ND		0.30
Naphthalene	ND		0.060
1,2,3-Trichlorobenzene	ND		0.060

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	97	55-125
Toluene-d8	93	56-127
4-Bromofluorobenzene	91	54-130

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted: 10-23-09
Date Analyzed: 10-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1023S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB1023S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	110	55-125
Toluene-d8	99	56-127
4-Bromofluorobenzene	87	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 10-23-09
Date Analyzed: 10-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1023S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0611	122	0.0605	121	70-130	
Benzene	0.0500	0.0492	98	0.0494	99	70-128	
Trichloroethene	0.0500	0.0457	91	0.0494	99	70-124	
Toluene	0.0500	0.0488	98	0.0504	101	73-123	
Chlorobenzene	0.0500	0.0485	97	0.0483	97	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	1	16	
Benzene	0	15	
Trichloroethene	8	14	
Toluene	3	14	
Chlorobenzene	0	13	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

VOLATILES by EPA 8260B
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Date Extracted: 10-23-09
Date Analyzed: 10-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-05
Client ID: Stockpile-P1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.00099
Chloromethane	ND		0.0049
Vinyl Chloride	ND		0.00099
Bromomethane	ND		0.00099
Chloroethane	ND		0.0049
Trichlorofluoromethane	ND		0.00099
1,1-Dichloroethene	ND		0.00099
Acetone	ND		0.0049
Iodomethane	ND		0.0049
Carbon Disulfide	ND		0.00099
Methylene Chloride	ND		0.0049
(trans) 1,2-Dichloroethene	ND		0.00099
Methyl t-Butyl Ether	ND		0.00099
1,1-Dichloroethane	ND		0.00099
Vinyl Acetate	ND		0.0049
2,2-Dichloropropane	ND		0.00099
(cis) 1,2-Dichloroethene	ND		0.00099
2-Butanone	ND		0.0049
Bromochloromethane	ND		0.00099
Chloroform	ND		0.00099
1,1,1-Trichloroethane	ND		0.00099
Carbon Tetrachloride	ND		0.00099
1,1-Dichloropropene	ND		0.00099
Benzene	ND		0.00099
1,2-Dichloroethane	ND		0.00099
Trichloroethene	ND		0.00099
1,2-Dichloropropane	ND		0.00099
Dibromomethane	ND		0.00099
Bromodichloromethane	ND		0.00099
2-Chloroethyl Vinyl Ether	ND		0.0049
(cis) 1,3-Dichloropropene	ND		0.00099
Methyl Isobutyl Ketone	ND		0.0049
Toluene	ND		0.0049
(trans) 1,3-Dichloropropene	ND		0.00099

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Lab ID: 10-185-05
Client ID: Stockpile-P1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.00099
Tetrachloroethene	ND		0.00099
1,3-Dichloropropane	ND		0.00099
2-Hexanone	ND		0.0049
Dibromochloromethane	ND		0.00099
1,2-Dibromoethane	ND		0.00099
Chlorobenzene	ND		0.00099
1,1,1,2-Tetrachloroethane	ND		0.00099
Ethylbenzene	ND		0.00099
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.00099
Styrene	ND		0.00099
Bromoform	ND		0.00099
Isopropylbenzene	ND		0.00099
Bromobenzene	ND		0.00099
1,1,2,2-Tetrachloroethane	ND		0.00099
1,2,3-Trichloropropane	ND		0.00099
n-Propylbenzene	ND		0.00099
2-Chlorotoluene	ND		0.00099
4-Chlorotoluene	ND		0.00099
1,3,5-Trimethylbenzene	ND		0.00099
tert-Butylbenzene	ND		0.00099
1,2,4-Trimethylbenzene	ND		0.00099
sec-Butylbenzene	ND		0.00099
1,3-Dichlorobenzene	ND		0.00099
p-Isopropyltoluene	ND		0.00099
1,4-Dichlorobenzene	ND		0.00099
1,2-Dichlorobenzene	ND		0.00099
n-Butylbenzene	ND		0.00099
1,2-Dibromo-3-chloropropane	ND		0.0049
1,2,4-Trichlorobenzene	ND		0.00099
Hexachlorobutadiene	ND		0.0049
Naphthalene	ND		0.00099
1,2,3-Trichlorobenzene	ND		0.00099

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	103	55-125
Toluene-d8	106	56-127
4-Bromofluorobenzene	89	54-130

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Date Extracted: 10-23-09
Date Analyzed: 10-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-07
Client ID: Stockpile-P2

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0013
Chloromethane	ND		0.0063
Vinyl Chloride	ND		0.0013
Bromomethane	ND		0.0013
Chloroethane	ND		0.0063
Trichlorofluoromethane	ND		0.0013
1,1-Dichloroethene	ND		0.0013
Acetone	ND		0.0063
Iodomethane	ND		0.0063
Carbon Disulfide	ND		0.0013
Methylene Chloride	ND		0.0063
(trans) 1,2-Dichloroethene	ND		0.0013
Methyl t-Butyl Ether	ND		0.0013
1,1-Dichloroethane	ND		0.0013
Vinyl Acetate	ND		0.0063
2,2-Dichloropropane	ND		0.0013
(cis) 1,2-Dichloroethene	ND		0.0013
2-Butanone	ND		0.0063
Bromochloromethane	ND		0.0013
Chloroform	ND		0.0013
1,1,1-Trichloroethane	ND		0.0013
Carbon Tetrachloride	ND		0.0013
1,1-Dichloropropene	ND		0.0013
Benzene	ND		0.0013
1,2-Dichloroethane	ND		0.0013
Trichloroethene	ND		0.0013
1,2-Dichloropropane	ND		0.0013
Dibromomethane	ND		0.0013
Bromodichloromethane	ND		0.0013
2-Chloroethyl Vinyl Ether	ND		0.0063
(cis) 1,3-Dichloropropene	ND		0.0013
Methyl Isobutyl Ketone	ND		0.0063
Toluene	ND		0.0063
(trans) 1,3-Dichloropropene	ND		0.0013

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Lab ID: 10-185-07
Client ID: Stockpile-P2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0013
Tetrachloroethene	ND		0.0013
1,3-Dichloropropane	ND		0.0013
2-Hexanone	ND		0.0063
Dibromochloromethane	ND		0.0013
1,2-Dibromoethane	ND		0.0013
Chlorobenzene	ND		0.0013
1,1,1,2-Tetrachloroethane	ND		0.0013
Ethylbenzene	0.0016		0.0013
m,p-Xylene	0.0082		0.0025
o-Xylene	0.0018		0.0013
Styrene	ND		0.0013
Bromoform	ND		0.0013
Isopropylbenzene	ND		0.0013
Bromobenzene	ND		0.0013
1,1,2,2-Tetrachloroethane	ND		0.0013
1,2,3-Trichloropropane	ND		0.0013
n-Propylbenzene	ND		0.0013
2-Chlorotoluene	ND		0.0013
4-Chlorotoluene	ND		0.0013
1,3,5-Trimethylbenzene	ND		0.0013
tert-Butylbenzene	ND		0.0013
1,2,4-Trimethylbenzene	ND		0.0013
sec-Butylbenzene	ND		0.0013
1,3-Dichlorobenzene	ND		0.0013
p-Isopropyltoluene	ND		0.0013
1,4-Dichlorobenzene	ND		0.0013
1,2-Dichlorobenzene	ND		0.0013
n-Butylbenzene	ND		0.0013
1,2-Dibromo-3-chloropropane	ND		0.0063
1,2,4-Trichlorobenzene	ND		0.0013
Hexachlorobutadiene	ND		0.0063
Naphthalene	ND		0.0013
1,2,3-Trichlorobenzene	ND		0.0013

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	97	55-125
Toluene-d8	90	56-127
4-Bromofluorobenzene	76	54-130

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Date Extracted: 10-23-09
Date Analyzed: 10-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-11
Client ID: Stockpile-P3

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0052
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0052
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0052
Iodomethane	ND		0.0052
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0052
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0052
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0052
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0052
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0052
Toluene	0.21		0.0052
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: 10-185-11
Client ID: Stockpile-P3

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0052
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	0.0028		0.0021
o-Xylene	0.0011		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0052
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0052
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	109	55-125
Toluene-d8	104	56-127
4-Bromofluorobenzene	88	54-130

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Date Extracted: 10-27-09
Date Analyzed: 10-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-18
Client ID: Stockpile-P4

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0013
Chloromethane	ND		0.0064
Vinyl Chloride	ND		0.0013
Bromomethane	ND		0.0013
Chloroethane	ND		0.0064
Trichlorofluoromethane	ND		0.0013
1,1-Dichloroethene	ND		0.0013
Acetone	ND		0.0064
Iodomethane	ND		0.0064
Carbon Disulfide	ND		0.0013
Methylene Chloride	ND		0.0064
(trans) 1,2-Dichloroethene	ND		0.0013
Methyl t-Butyl Ether	ND		0.0013
1,1-Dichloroethane	ND		0.0013
Vinyl Acetate	ND		0.0064
2,2-Dichloropropane	ND		0.0013
(cis) 1,2-Dichloroethene	ND		0.0013
2-Butanone	ND		0.0064
Bromochloromethane	ND		0.0013
Chloroform	ND		0.0013
1,1,1-Trichloroethane	ND		0.0013
Carbon Tetrachloride	ND		0.0013
1,1-Dichloropropene	ND		0.0013
Benzene	ND		0.0013
1,2-Dichloroethane	ND		0.0013
Trichloroethene	ND		0.0013
1,2-Dichloropropane	ND		0.0013
Dibromomethane	ND		0.0013
Bromodichloromethane	ND		0.0013
2-Chloroethyl Vinyl Ether	ND		0.0064
(cis) 1,3-Dichloropropene	ND		0.0013
Methyl Isobutyl Ketone	ND		0.0064
Toluene	ND		0.0064
(trans) 1,3-Dichloropropene	ND		0.0013

This report pertains to the samples analyzed in accordance with the chain of custody,
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Lab ID: 10-185-18
Client ID: Stockpile-P4

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0013
Tetrachloroethene	ND		0.0013
1,3-Dichloropropane	ND		0.0013
2-Hexanone	ND		0.0064
Dibromochloromethane	ND		0.0013
1,2-Dibromoethane	ND		0.0013
Chlorobenzene	ND		0.0013
1,1,1,2-Tetrachloroethane	ND		0.0013
Ethylbenzene	ND		0.0013
m,p-Xylene	ND		0.0025
o-Xylene	ND		0.0013
Styrene	ND		0.0013
Bromoform	ND		0.0013
Isopropylbenzene	ND		0.0013
Bromobenzene	ND		0.0013
1,1,2,2-Tetrachloroethane	ND		0.0013
1,2,3-Trichloropropane	ND		0.0013
n-Propylbenzene	ND		0.0013
2-Chlorotoluene	ND		0.0013
4-Chlorotoluene	ND		0.0013
1,3,5-Trimethylbenzene	ND		0.0013
tert-Butylbenzene	ND		0.0013
1,2,4-Trimethylbenzene	ND		0.0013
sec-Butylbenzene	ND		0.0013
1,3-Dichlorobenzene	ND		0.0013
p-Isopropyltoluene	ND		0.0013
1,4-Dichlorobenzene	ND		0.0013
1,2-Dichlorobenzene	ND		0.0013
n-Butylbenzene	ND		0.0013
1,2-Dibromo-3-chloropropane	ND		0.0064
1,2,4-Trichlorobenzene	ND		0.0013
Hexachlorobutadiene	ND		0.0064
Naphthalene	ND		0.0013
1,2,3-Trichlorobenzene	ND		0.0013

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	96	55-125
Toluene-d8	92	56-127
4-Bromofluorobenzene	91	54-130

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Date Extracted: 10-27-09
Date Analyzed: 10-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-19
Client ID: Stockpile-P5

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0057
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0057
Trichlorofluoromethane	ND		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	ND		0.0057
Iodomethane	ND		0.0057
Carbon Disulfide	ND		0.0011
Methylene Chloride	ND		0.0057
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0057
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	ND		0.0057
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0057
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	ND		0.0057
Toluene	ND		0.0057
(trans) 1,3-Dichloropropene	ND		0.0011

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Lab ID: 10-185-19
Client ID: Stockpile-P5

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	ND		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0057
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	ND		0.0011
m,p-Xylene	ND		0.0023
o-Xylene	ND		0.0011
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	ND		0.0011
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	ND		0.0011
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	ND		0.0011
tert-Butylbenzene	ND		0.0011
1,2,4-Trimethylbenzene	ND		0.0011
sec-Butylbenzene	ND		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	ND		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	ND		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0057
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0057
Naphthalene	ND		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	97	55-125
Toluene-d8	90	56-127
4-Bromofluorobenzene	87	54-130

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METHOD BLANK QUALITY CONTROL
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Date Extracted: 10-23-09
Date Analyzed: 10-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1023S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

This report pertains to the samples analyzed in accordance with the chain of custody,
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METHOD BLANK QUALITY CONTROL
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Lab ID: MB1023S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	110	55-125
Toluene-d8	99	56-127
4-Bromofluorobenzene	87	54-130

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METHOD BLANK QUALITY CONTROL
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Date Extracted: 10-27-09
Date Analyzed: 10-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1027S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: MB1027S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	93	55-125
Toluene-d8	93	56-127
4-Bromofluorobenzene	86	54-130

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VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 10-23-09
Date Analyzed: 10-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1023S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0611	122	0.0605	121	70-130	
Benzene	0.0500	0.0492	98	0.0494	99	70-128	
Trichloroethene	0.0500	0.0457	91	0.0494	99	70-124	
Toluene	0.0500	0.0488	98	0.0504	101	73-123	
Chlorobenzene	0.0500	0.0485	97	0.0483	97	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	1	16	
Benzene	0	15	
Trichloroethene	8	14	
Toluene	3	14	
Chlorobenzene	0	13	

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VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 10-27-09
Date Analyzed: 10-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1027S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0494	99	0.0488	98	70-130	
Benzene	0.0500	0.0416	83	0.0409	82	70-128	
Trichloroethene	0.0500	0.0425	85	0.0425	85	70-124	
Toluene	0.0500	0.0436	87	0.0431	86	73-123	
Chlorobenzene	0.0500	0.0503	101	0.0497	99	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	1	16	
Benzene	2	15	
Trichloroethene	0	14	
Toluene	1	14	
Chlorobenzene	1	13	

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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-01
Client ID: Tank3-B-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.00096
Chloromethane	ND		0.0048
Vinyl Chloride	ND		0.00096
Bromomethane	ND		0.00096
Chloroethane	ND		0.0048
Trichlorofluoromethane	ND		0.00096
1,1-Dichloroethene	ND		0.00096
Acetone	0.014		0.0048
Iodomethane	ND		0.0048
Carbon Disulfide	ND		0.00096
Methylene Chloride	ND		0.0048
(trans) 1,2-Dichloroethene	ND		0.00096
Methyl t-Butyl Ether	ND		0.00096
1,1-Dichloroethane	ND		0.00096
Vinyl Acetate	ND		0.0048
2,2-Dichloropropane	ND		0.00096
(cis) 1,2-Dichloroethene	ND		0.00096
2-Butanone	ND		0.0048
Bromochloromethane	ND		0.00096
Chloroform	ND		0.00096
1,1,1-Trichloroethane	ND		0.00096
Carbon Tetrachloride	ND		0.00096
1,1-Dichloropropene	ND		0.00096
Benzene	ND		0.00096
1,2-Dichloroethane	ND		0.00096
Trichloroethene	ND		0.00096
1,2-Dichloropropane	ND		0.00096
Dibromomethane	ND		0.00096
Bromodichloromethane	ND		0.00096
2-Chloroethyl Vinyl Ether	ND		0.0048
(cis) 1,3-Dichloropropene	ND		0.00096
Methyl Isobutyl Ketone	ND		0.0048
Toluene	ND		0.0048
(trans) 1,3-Dichloropropene	ND		0.00096

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Samples Submitted: October 23, 2009
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Project: 14697

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Lab ID: 10-185-01
Client ID: Tank3-B-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.00096
Tetrachloroethene	ND		0.00096
1,3-Dichloropropane	ND		0.00096
2-Hexanone	ND		0.0048
Dibromochloromethane	ND		0.00096
1,2-Dibromoethane	ND		0.00096
Chlorobenzene	ND		0.00096
1,1,1,2-Tetrachloroethane	ND		0.00096
Ethylbenzene	0.019		0.00096
m,p-Xylene	0.089		0.0019
o-Xylene	0.032		0.00096
Styrene	ND		0.00096
Bromoform	ND		0.00096
Isopropylbenzene	ND		0.00096
Bromobenzene	ND		0.00096
1,1,2,2-Tetrachloroethane	ND		0.00096
1,2,3-Trichloropropane	ND		0.00096
n-Propylbenzene	ND		0.00096
2-Chlorotoluene	ND		0.00096
4-Chlorotoluene	ND		0.00096
1,3,5-Trimethylbenzene	ND		0.00096
tert-Butylbenzene	ND		0.00096
1,2,4-Trimethylbenzene	ND		0.00096
sec-Butylbenzene	ND		0.00096
1,3-Dichlorobenzene	ND		0.00096
p-Isopropyltoluene	ND		0.00096
1,4-Dichlorobenzene	ND		0.00096
1,2-Dichlorobenzene	ND		0.00096
n-Butylbenzene	ND		0.00096
1,2-Dibromo-3-chloropropane	ND		0.0048
1,2,4-Trichlorobenzene	ND		0.00096
Hexachlorobutadiene	ND		0.0048
Naphthalene	ND		0.00096
1,2,3-Trichlorobenzene	ND		0.00096

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	96	55-125
Toluene-d8	86	56-127
4-Bromofluorobenzene	89	54-130

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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-02
Client ID: Product-W1 Wall-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.055
Chloromethane	ND		0.28
Vinyl Chloride	ND		0.055
Bromomethane	ND		0.055
Chloroethane	ND		0.28
Trichlorofluoromethane	ND		0.055
1,1-Dichloroethene	ND		0.055
Acetone	ND		0.28
Iodomethane	ND		0.28
Carbon Disulfide	ND		0.055
Methylene Chloride	ND		0.28
(trans) 1,2-Dichloroethene	ND		0.055
Methyl t-Butyl Ether	ND		0.055
1,1-Dichloroethane	ND		0.055
Vinyl Acetate	ND		0.28
2,2-Dichloropropane	ND		0.055
(cis) 1,2-Dichloroethene	ND		0.055
2-Butanone	ND		0.28
Bromochloromethane	ND		0.055
Chloroform	ND		0.055
1,1,1-Trichloroethane	ND		0.055
Carbon Tetrachloride	ND		0.055
1,1-Dichloropropene	ND		0.055
Benzene	ND		0.055
1,2-Dichloroethane	ND		0.055
Trichloroethene	ND		0.055
1,2-Dichloropropane	ND		0.055
Dibromomethane	ND		0.055
Bromodichloromethane	ND		0.055
2-Chloroethyl Vinyl Ether	ND		0.28
(cis) 1,3-Dichloropropene	ND		0.055
Methyl Isobutyl Ketone	ND		0.28
Toluene	ND		0.28
(trans) 1,3-Dichloropropene	ND		0.055

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Lab ID: 10-185-02
Client ID: Product-W1 Wall-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.055
Tetrachloroethene	ND		0.055
1,3-Dichloropropane	ND		0.055
2-Hexanone	ND		0.28
Dibromochloromethane	ND		0.055
1,2-Dibromoethane	ND		0.055
Chlorobenzene	ND		0.055
1,1,1,2-Tetrachloroethane	ND		0.055
Ethylbenzene	0.23		0.055
m,p-Xylene	0.98		0.11
o-Xylene	0.35		0.055
Styrene	ND		0.055
Bromoform	ND		0.055
Isopropylbenzene	ND		0.055
Bromobenzene	ND		0.055
1,1,2,2-Tetrachloroethane	ND		0.055
1,2,3-Trichloropropane	ND		0.055
n-Propylbenzene	0.086		0.055
2-Chlorotoluene	ND		0.055
4-Chlorotoluene	ND		0.055
1,3,5-Trimethylbenzene	ND		0.055
tert-Butylbenzene	ND		0.055
1,2,4-Trimethylbenzene	0.10		0.055
sec-Butylbenzene	ND		0.055
1,3-Dichlorobenzene	ND		0.055
p-Isopropyltoluene	ND		0.055
1,4-Dichlorobenzene	ND		0.055
1,2-Dichlorobenzene	ND		0.055
n-Butylbenzene	0.081		0.055
1,2-Dibromo-3-chloropropane	ND		0.28
1,2,4-Trichlorobenzene	ND		0.055
Hexachlorobutadiene	ND		0.28
Naphthalene	ND		0.055
1,2,3-Trichlorobenzene	ND		0.055

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	80	55-125
Toluene-d8	81	56-127
4-Bromofluorobenzene	84	54-130

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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-03
Client ID: Tank4-B-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0052
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0052
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	0.043		0.0052
Iodomethane	ND		0.0052
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0052
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0052
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	0.011		0.0052
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0052
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0052
Toluene	0.016		0.0052
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: 10-185-03
Client ID: Tank4-B-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0052
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	0.0011		0.0010
m,p-Xylene	0.0043		0.0021
o-Xylene	0.0020		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	0.0017		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	0.0012		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0052
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0052
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	88	55-125
Toluene-d8	90	56-127
4-Bromofluorobenzene	95	54-130

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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-04
Client ID: Tank5-B-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0054
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0054
Trichlorofluoromethane	ND		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	0.016		0.0054
Iodomethane	ND		0.0054
Carbon Disulfide	ND		0.0011
Methylene Chloride	ND		0.0054
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0054
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	ND		0.0054
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0054
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	ND		0.0054
Toluene	0.030		0.0054
(trans) 1,3-Dichloropropene	ND		0.0011

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Lab ID: 10-185-04
Client ID: Tank5-B-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	ND		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0054
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	0.0012		0.0011
m,p-Xylene	0.0050		0.0021
o-Xylene	0.0017		0.0011
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	ND		0.0011
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	ND		0.0011
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	ND		0.0011
tert-Butylbenzene	ND		0.0011
1,2,4-Trimethylbenzene	ND		0.0011
sec-Butylbenzene	ND		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	ND		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	ND		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0054
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0054
Naphthalene	ND		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	96	55-125
Toluene-d8	92	56-127
4-Bromofluorobenzene	94	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-06
Client ID: Tank6-B-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.055
Chloromethane	ND		0.28
Vinyl Chloride	ND		0.055
Bromomethane	ND		0.055
Chloroethane	ND		0.28
Trichlorofluoromethane	ND		0.055
1,1-Dichloroethene	ND		0.055
Acetone	ND		0.28
Iodomethane	ND		0.28
Carbon Disulfide	ND		0.055
Methylene Chloride	ND		0.28
(trans) 1,2-Dichloroethene	ND		0.055
Methyl t-Butyl Ether	ND		0.055
1,1-Dichloroethane	ND		0.055
Vinyl Acetate	ND		0.28
2,2-Dichloropropane	ND		0.055
(cis) 1,2-Dichloroethene	ND		0.055
2-Butanone	ND		0.28
Bromochloromethane	ND		0.055
Chloroform	ND		0.055
1,1,1-Trichloroethane	ND		0.055
Carbon Tetrachloride	ND		0.055
1,1-Dichloropropene	ND		0.055
Benzene	ND		0.055
1,2-Dichloroethane	ND		0.055
Trichloroethene	ND		0.055
1,2-Dichloropropane	ND		0.055
Dibromomethane	ND		0.055
Bromodichloromethane	ND		0.055
2-Chloroethyl Vinyl Ether	ND		0.28
(cis) 1,3-Dichloropropene	ND		0.055
Methyl Isobutyl Ketone	ND		0.28
Toluene	0.30		0.28
(trans) 1,3-Dichloropropene	ND		0.055

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Lab ID: 10-185-06
Client ID: Tank6-B-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.055
Tetrachloroethene	ND		0.055
1,3-Dichloropropane	ND		0.055
2-Hexanone	ND		0.28
Dibromochloromethane	ND		0.055
1,2-Dibromoethane	ND		0.055
Chlorobenzene	ND		0.055
1,1,1,2-Tetrachloroethane	ND		0.055
Ethylbenzene	0.083		0.055
m,p-Xylene	0.28		0.11
o-Xylene	ND		0.055
Styrene	ND		0.055
Bromoform	ND		0.055
Isopropylbenzene	0.073		0.055
Bromobenzene	ND		0.055
1,1,2,2-Tetrachloroethane	ND		0.055
1,2,3-Trichloropropane	ND		0.055
n-Propylbenzene	0.13		0.055
2-Chlorotoluene	ND		0.055
4-Chlorotoluene	ND		0.055
1,3,5-Trimethylbenzene	ND		0.055
tert-Butylbenzene	ND		0.055
1,2,4-Trimethylbenzene	ND		0.055
sec-Butylbenzene	ND		0.055
1,3-Dichlorobenzene	ND		0.055
p-Isopropyltoluene	ND		0.055
1,4-Dichlorobenzene	ND		0.055
1,2-Dichlorobenzene	ND		0.055
n-Butylbenzene	ND		0.055
1,2-Dibromo-3-chloropropane	ND		0.28
1,2,4-Trichlorobenzene	ND		0.055
Hexachlorobutadiene	ND		0.28
Naphthalene	ND		0.055
1,2,3-Trichlorobenzene	ND		0.055

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	82	55-125
Toluene-d8	84	56-127
4-Bromofluorobenzene	88	54-130

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and is intended only for the use of the individual or company to whom it is addressed.

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Date Extracted: 10-29&30-09
Date Analyzed: 10-29&30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-08
Client ID: Tank7-B-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.00093
Chloromethane	ND		0.0046
Vinyl Chloride	ND		0.00093
Bromomethane	ND		0.00093
Chloroethane	ND		0.0046
Trichlorofluoromethane	ND		0.00093
1,1-Dichloroethene	ND		0.00093
Acetone	3.5		0.28
Iodomethane	ND		0.0046
Carbon Disulfide	ND		0.00093
Methylene Chloride	ND		0.0046
(trans) 1,2-Dichloroethene	ND		0.00093
Methyl t-Butyl Ether	ND		0.00093
1,1-Dichloroethane	ND		0.00093
Vinyl Acetate	ND		0.0046
2,2-Dichloropropane	ND		0.00093
(cis) 1,2-Dichloroethene	ND		0.00093
2-Butanone	ND		0.0046
Bromochloromethane	ND		0.00093
Chloroform	ND		0.00093
1,1,1-Trichloroethane	ND		0.00093
Carbon Tetrachloride	ND		0.00093
1,1-Dichloropropene	ND		0.00093
Benzene	ND		0.00093
1,2-Dichloroethane	ND		0.00093
Trichloroethene	ND		0.00093
1,2-Dichloropropane	ND		0.00093
Dibromomethane	ND		0.00093
Bromodichloromethane	ND		0.00093
2-Chloroethyl Vinyl Ether	ND		0.0046
(cis) 1,3-Dichloropropene	ND		0.00093
Methyl Isobutyl Ketone	ND		0.0046
Toluene	ND		0.0046
(trans) 1,3-Dichloropropene	ND		0.00093

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Lab ID: 10-185-08
Client ID: Tank7-B-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.00093
Tetrachloroethene	ND		0.00093
1,3-Dichloropropane	ND		0.00093
2-Hexanone	ND		0.0046
Dibromochloromethane	ND		0.00093
1,2-Dibromoethane	ND		0.00093
Chlorobenzene	ND		0.00093
1,1,1,2-Tetrachloroethane	ND		0.00093
Ethylbenzene	ND		0.00093
m,p-Xylene	ND		0.0019
o-Xylene	ND		0.00093
Styrene	ND		0.00093
Bromoform	ND		0.00093
Isopropylbenzene	ND		0.00093
Bromobenzene	ND		0.00093
1,1,2,2-Tetrachloroethane	ND		0.00093
1,2,3-Trichloropropane	ND		0.00093
n-Propylbenzene	ND		0.00093
2-Chlorotoluene	ND		0.00093
4-Chlorotoluene	ND		0.00093
1,3,5-Trimethylbenzene	ND		0.00093
tert-Butylbenzene	ND		0.00093
1,2,4-Trimethylbenzene	ND		0.00093
sec-Butylbenzene	ND		0.00093
1,3-Dichlorobenzene	ND		0.00093
p-Isopropyltoluene	ND		0.00093
1,4-Dichlorobenzene	ND		0.00093
1,2-Dichlorobenzene	ND		0.00093
n-Butylbenzene	ND		0.00093
1,2-Dibromo-3-chloropropane	ND		0.0046
1,2,4-Trichlorobenzene	ND		0.00093
Hexachlorobutadiene	ND		0.0046
Naphthalene	ND		0.00093
1,2,3-Trichlorobenzene	ND		0.00093

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	87	55-125
Toluene-d8	88	56-127
4-Bromofluorobenzene	87	54-130

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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-09
Client ID: Product-W2 Wall-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.057
Chloromethane	ND		0.29
Vinyl Chloride	ND		0.057
Bromomethane	ND		0.057
Chloroethane	ND		0.29
Trichlorofluoromethane	ND		0.057
1,1-Dichloroethene	ND		0.057
Acetone	0.51		0.29
Iodomethane	ND		0.29
Carbon Disulfide	ND		0.057
Methylene Chloride	ND		0.29
(trans) 1,2-Dichloroethene	ND		0.057
Methyl t-Butyl Ether	ND		0.057
1,1-Dichloroethane	ND		0.057
Vinyl Acetate	ND		0.29
2,2-Dichloropropane	ND		0.057
(cis) 1,2-Dichloroethene	ND		0.057
2-Butanone	ND		0.29
Bromochloromethane	ND		0.057
Chloroform	ND		0.057
1,1,1-Trichloroethane	ND		0.057
Carbon Tetrachloride	ND		0.057
1,1-Dichloropropene	ND		0.057
Benzene	ND		0.057
1,2-Dichloroethane	ND		0.057
Trichloroethene	ND		0.057
1,2-Dichloropropane	ND		0.057
Dibromomethane	ND		0.057
Bromodichloromethane	ND		0.057
2-Chloroethyl Vinyl Ether	ND		0.29
(cis) 1,3-Dichloropropene	ND		0.057
Methyl Isobutyl Ketone	ND		0.29
Toluene	ND		0.29
(trans) 1,3-Dichloropropene	ND		0.057

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Lab ID: 10-185-09
Client ID: Product-W2 Wall-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.057
Tetrachloroethene	ND		0.057
1,3-Dichloropropane	ND		0.057
2-Hexanone	ND		0.29
Dibromochloromethane	ND		0.057
1,2-Dibromoethane	ND		0.057
Chlorobenzene	ND		0.057
1,1,1,2-Tetrachloroethane	ND		0.057
Ethylbenzene	0.082		0.057
m,p-Xylene	1.4		0.11
o-Xylene	0.51		0.057
Styrene	ND		0.057
Bromoform	ND		0.057
Isopropylbenzene	0.19		0.057
Bromobenzene	ND		0.057
1,1,2,2-Tetrachloroethane	ND		0.057
1,2,3-Trichloropropane	ND		0.057
n-Propylbenzene	0.18		0.057
2-Chlorotoluene	ND		0.057
4-Chlorotoluene	ND		0.057
1,3,5-Trimethylbenzene	ND		0.057
tert-Butylbenzene	ND		0.057
1,2,4-Trimethylbenzene	ND		0.057
sec-Butylbenzene	0.24		0.057
1,3-Dichlorobenzene	ND		0.057
p-Isopropyltoluene	ND		0.057
1,4-Dichlorobenzene	ND		0.057
1,2-Dichlorobenzene	ND		0.057
n-Butylbenzene	0.19		0.057
1,2-Dibromo-3-chloropropane	ND		0.29
1,2,4-Trichlorobenzene	ND		0.057
Hexachlorobutadiene	ND		0.29
Naphthalene	ND		0.057
1,2,3-Trichlorobenzene	ND		0.057

Surrogate	Percent Recovery		Control Limits
Dibromofluoromethane	84		55-125
Toluene-d8	84		56-127
4-Bromofluorobenzene	158	Q	54-130

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Date Extracted: 10-29&30-09
Date Analyzed: 10-29&30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-12
Client ID: Tank8-B-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0052
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0052
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	10		0.61
Iodomethane	ND		0.0052
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0052
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0052
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0052
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0052
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0052
Toluene	ND		0.0052
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: 10-185-12
Client ID: Tank8-B-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0052
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	0.0056		0.0010
m,p-Xylene	0.024		0.0021
o-Xylene	0.0086		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0052
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0052
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	96	55-125
Toluene-d8	87	56-127
4-Bromofluorobenzene	87	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-14
Client ID: Tank9-B-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0059
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0059
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	0.040		0.0059
Iodomethane	ND		0.0059
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0059
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0059
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	0.0060		0.0059
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0059
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0059
Toluene	ND		0.0059
(trans) 1,3-Dichloropropene	ND		0.0012

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Lab ID: 10-185-14
Client ID: Tank9-B-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0059
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0024
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0059
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0059
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	93	55-125
Toluene-d8	90	56-127
4-Bromofluorobenzene	88	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
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Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-15
Client ID: Product-N Wall-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.074
Chloromethane	ND		0.37
Vinyl Chloride	ND		0.074
Bromomethane	ND		0.074
Chloroethane	ND		0.37
Trichlorofluoromethane	ND		0.074
1,1-Dichloroethene	ND		0.074
Acetone	ND		0.37
Iodomethane	ND		0.37
Carbon Disulfide	ND		0.074
Methylene Chloride	ND		0.37
(trans) 1,2-Dichloroethene	ND		0.074
Methyl t-Butyl Ether	ND		0.074
1,1-Dichloroethane	ND		0.074
Vinyl Acetate	ND		0.37
2,2-Dichloropropane	ND		0.074
(cis) 1,2-Dichloroethene	ND		0.074
2-Butanone	ND		0.37
Bromochloromethane	ND		0.074
Chloroform	ND		0.074
1,1,1-Trichloroethane	ND		0.074
Carbon Tetrachloride	ND		0.074
1,1-Dichloropropene	ND		0.074
Benzene	ND		0.074
1,2-Dichloroethane	ND		0.074
Trichloroethene	ND		0.074
1,2-Dichloropropane	ND		0.074
Dibromomethane	ND		0.074
Bromodichloromethane	ND		0.074
2-Chloroethyl Vinyl Ether	ND		0.37
(cis) 1,3-Dichloropropene	ND		0.074
Methyl Isobutyl Ketone	ND		0.37
Toluene	ND		0.37
(trans) 1,3-Dichloropropene	ND		0.074

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Lab ID: 10-185-15
Client ID: Product-N Wall-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.074
Tetrachloroethene	ND		0.074
1,3-Dichloropropane	ND		0.074
2-Hexanone	ND		0.37
Dibromochloromethane	ND		0.074
1,2-Dibromoethane	ND		0.074
Chlorobenzene	ND		0.074
1,1,1,2-Tetrachloroethane	ND		0.074
Ethylbenzene	0.099		0.074
m,p-Xylene	ND		0.15
o-Xylene	ND		0.074
Styrene	ND		0.074
Bromoform	ND		0.074
Isopropylbenzene	0.42		0.074
Bromobenzene	ND		0.074
1,1,2,2-Tetrachloroethane	ND		0.074
1,2,3-Trichloropropane	ND		0.074
n-Propylbenzene	0.47		0.074
2-Chlorotoluene	ND		0.074
4-Chlorotoluene	ND		0.074
1,3,5-Trimethylbenzene	ND		0.074
tert-Butylbenzene	ND		0.074
1,2,4-Trimethylbenzene	ND		0.074
sec-Butylbenzene	0.15		0.074
1,3-Dichlorobenzene	ND		0.074
p-Isopropyltoluene	ND		0.074
1,4-Dichlorobenzene	ND		0.074
1,2-Dichlorobenzene	ND		0.074
n-Butylbenzene	0.19		0.074
1,2-Dibromo-3-chloropropane	ND		0.37
1,2,4-Trichlorobenzene	ND		0.074
Hexachlorobutadiene	ND		0.37
Naphthalene	ND		0.074
1,2,3-Trichlorobenzene	ND		0.074

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	90	55-125
Toluene-d8	84	56-127
4-Bromofluorobenzene	90	54-130

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Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-16
Client ID: Product-E1 Wall-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0052
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0052
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	0.0092		0.0052
Iodomethane	ND		0.0052
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0052
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0052
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0052
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0052
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0052
Toluene	0.014		0.0052
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: 10-185-16
Client ID: Product-E1 Wall-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0052
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0021
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	0.0076		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	0.0038		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	0.0012		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0052
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0052
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	100	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	88	54-130

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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-17
Client ID: Product-E2 Wall-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0055
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0055
Trichlorofluoromethane	ND		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	0.0089		0.0055
Iodomethane	ND		0.0055
Carbon Disulfide	ND		0.0011
Methylene Chloride	ND		0.0055
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0055
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	ND		0.0055
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0055
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	ND		0.0055
Toluene	ND		0.0055
(trans) 1,3-Dichloropropene	ND		0.0011

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Lab ID: 10-185-17
Client ID: Product-E2 Wall-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	ND		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0055
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	ND		0.0011
m,p-Xylene	ND		0.0022
o-Xylene	ND		0.0011
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	ND		0.0011
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	ND		0.0011
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	ND		0.0011
tert-Butylbenzene	ND		0.0011
1,2,4-Trimethylbenzene	ND		0.0011
sec-Butylbenzene	ND		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	ND		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	ND		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0055
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0055
Naphthalene	ND		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	91	55-125
Toluene-d8	92	56-127
4-Bromofluorobenzene	90	54-130

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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-20
Client ID: Product-S Wall-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0014
Chloromethane	ND		0.0069
Vinyl Chloride	ND		0.0014
Bromomethane	ND		0.0014
Chloroethane	ND		0.0069
Trichlorofluoromethane	ND		0.0014
1,1-Dichloroethene	ND		0.0014
Acetone	0.032		0.0069
Iodomethane	ND		0.0069
Carbon Disulfide	ND		0.0014
Methylene Chloride	ND		0.0069
(trans) 1,2-Dichloroethene	ND		0.0014
Methyl t-Butyl Ether	ND		0.0014
1,1-Dichloroethane	ND		0.0014
Vinyl Acetate	ND		0.0069
2,2-Dichloropropane	ND		0.0014
(cis) 1,2-Dichloroethene	ND		0.0014
2-Butanone	ND		0.0069
Bromochloromethane	ND		0.0014
Chloroform	ND		0.0014
1,1,1-Trichloroethane	ND		0.0014
Carbon Tetrachloride	ND		0.0014
1,1-Dichloropropene	ND		0.0014
Benzene	ND		0.0014
1,2-Dichloroethane	ND		0.0014
Trichloroethene	ND		0.0014
1,2-Dichloropropane	ND		0.0014
Dibromomethane	ND		0.0014
Bromodichloromethane	ND		0.0014
2-Chloroethyl Vinyl Ether	ND		0.0069
(cis) 1,3-Dichloropropene	ND		0.0014
Methyl Isobutyl Ketone	ND		0.0069
Toluene	ND		0.0069
(trans) 1,3-Dichloropropene	ND		0.0014

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Lab ID: 10-185-20
Client ID: Product-S Wall-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0014
Tetrachloroethene	ND		0.0014
1,3-Dichloropropane	ND		0.0014
2-Hexanone	ND		0.0069
Dibromochloromethane	ND		0.0014
1,2-Dibromoethane	ND		0.0014
Chlorobenzene	ND		0.0014
1,1,1,2-Tetrachloroethane	ND		0.0014
Ethylbenzene	ND		0.0014
m,p-Xylene	ND		0.0027
o-Xylene	ND		0.0014
Styrene	ND		0.0014
Bromoform	ND		0.0014
Isopropylbenzene	ND		0.0014
Bromobenzene	ND		0.0014
1,1,2,2-Tetrachloroethane	ND		0.0014
1,2,3-Trichloropropane	ND		0.0014
n-Propylbenzene	ND		0.0014
2-Chlorotoluene	ND		0.0014
4-Chlorotoluene	ND		0.0014
1,3,5-Trimethylbenzene	ND		0.0014
tert-Butylbenzene	ND		0.0014
1,2,4-Trimethylbenzene	ND		0.0014
sec-Butylbenzene	ND		0.0014
1,3-Dichlorobenzene	ND		0.0014
p-Isopropyltoluene	ND		0.0014
1,4-Dichlorobenzene	ND		0.0014
1,2-Dichlorobenzene	ND		0.0014
n-Butylbenzene	ND		0.0014
1,2-Dibromo-3-chloropropane	ND		0.0069
1,2,4-Trichlorobenzene	ND		0.0014
Hexachlorobutadiene	ND		0.0069
Naphthalene	ND		0.0014
1,2,3-Trichlorobenzene	ND		0.0014

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	89	55-125
Toluene-d8	92	56-127
4-Bromofluorobenzene	96	54-130

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METHOD BLANK QUALITY CONTROL
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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1029S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

This report pertains to the samples analyzed in accordance with the chain of custody,
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Lab ID: MB1029S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	84	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	79	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

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Samples Submitted: October 23, 2009
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METHOD BLANK QUALITY CONTROL
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Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1030S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

This report pertains to the samples analyzed in accordance with the chain of custody,
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Samples Submitted: October 23, 2009
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Lab ID: MB1030S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	94	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	85	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1029S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0473	95	0.0448	90	70-130	
Benzene	0.0500	0.0385	77	0.0379	76	70-128	
Trichloroethene	0.0500	0.0410	82	0.0417	83	70-124	
Toluene	0.0500	0.0398	80	0.0391	78	73-123	
Chlorobenzene	0.0500	0.0471	94	0.0468	94	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	5	16	
Benzene	2	15	
Trichloroethene	2	14	
Toluene	2	14	
Chlorobenzene	1	13	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1030S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0433	87	0.0438	88	70-130	
Benzene	0.0500	0.0405	81	0.0408	82	70-128	
Trichloroethene	0.0500	0.0450	90	0.0409	82	70-124	
Toluene	0.0500	0.0456	91	0.0409	82	73-123	
Chlorobenzene	0.0500	0.0495	99	0.0468	94	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	1	16	
Benzene	1	15	
Trichloroethene	10	14	
Toluene	11	14	
Chlorobenzene	6	13	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
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Project: 14697

VOLATILES by EPA 8260B
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Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 10-185-10
Client ID: Product-GW-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		100
Chloromethane	ND		500
Vinyl Chloride	ND		100
Bromomethane	ND		100
Chloroethane	ND		500
Trichlorofluoromethane	ND		100
1,1-Dichloroethene	ND		100
Acetone	13000		2500
Iodomethane	ND		500
Carbon Disulfide	ND		100
Methylene Chloride	ND		500
(trans) 1,2-dichloroethene	ND		100
Methyl t-Butyl Ether	ND		100
1,1-Dichloroethane	ND		100
Vinyl Acetate	ND		1000
2,2-Dichloropropane	ND		100
(cis) 1,2-Dichloroethene	ND		100
2-Butanone	ND		2500
Bromochloromethane	ND		100
Chloroform	ND		100
1,1,1-Trichloroethane	ND		100
Carbon Tetrachloride	ND		100
1,1-Dichloropropene	ND		100
Benzene	ND		100
1,2-Dichloroethane	ND		100
Trichloroethene	ND		100
1,2-Dichloropropane	ND		100
Dibromomethane	ND		100
Bromodichloromethane	ND		100
2-Chloroethyl Vinyl Ether	ND		500
(cis) 1,3-Dichloropropene	ND		100
Methyl Isobutyl Ketone	ND		1000
Toluene	17000		500
(trans) 1,3-Dichloropropene	ND		100

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Lab ID: 10-185-10
Client ID: Product-GW-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		100
Tetrachloroethene	ND		100
1,3-Dichloropropane	ND		100
2-Hexanone	ND		1000
Dibromochloromethane	ND		100
1,2-Dibromoethane	ND		100
Chlorobenzene	ND		100
1,1,1,2-Tetrachloroethane	ND		100
Ethylbenzene	8100		100
m,p-Xylene	37000		200
o-Xylene	13000		100
Styrene	ND		100
Bromoform	ND		500
Isopropylbenzene	ND		100
Bromobenzene	ND		100
1,1,2,2-Tetrachloroethane	ND		100
1,2,3-Trichloropropane	ND		100
n-Propylbenzene	ND		100
2-Chlorotoluene	ND		100
4-Chlorotoluene	ND		100
1,3,5-Trimethylbenzene	ND		100
tert-Butylbenzene	ND		100
1,2,4-Trimethylbenzene	ND		100
sec-Butylbenzene	ND		100
1,3-Dichlorobenzene	ND		100
p-Isopropyltoluene	ND		100
1,4-Dichlorobenzene	ND		100
1,2-Dichlorobenzene	ND		100
n-Butylbenzene	ND		100
1,2-Dibromo-3-chloropropane	ND		500
1,2,4-Trichlorobenzene	ND		100
Hexachlorobutadiene	ND		100
Naphthalene	ND		500
1,2,3-Trichlorobenzene	ND		100

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	89	71-126
Toluene-d8	93	76-116
4-Bromofluorobenzene	87	70-123

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Date of Report: November 2, 2009
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Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 10-185-21
Client ID: TRIP BLANK

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	0.23		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Lab ID: 10-185-21
Client ID: TRIP BLANK

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	91	71-126
Toluene-d8	89	76-116
4-Bromofluorobenzene	85	70-123

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
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Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1026W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Lab ID: MB1026W1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	87	71-126
Toluene-d8	90	76-116
4-Bromofluorobenzene	83	70-123

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 10-185-10

Compound	Sample Amount	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	ND	5000	4340	87	4260	85	70-130	
Benzene	ND	5000	4490	90	4540	91	81-125	
Trichloroethene	ND	5000	4740	95	4640	93	79-116	
Toluene	17000	5000	22500	110	21800	96	88-118	
Chlorobenzene	ND	5000	4740	95	4890	98	75-121	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	2	22	
Benzene	1	11	
Trichloroethene	2	11	
Toluene	3	14	
Chlorobenzene	3	14	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6020/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-13					
Client ID:	**PCS-1**					
Aluminum	**6000**	14	6020	10-23-09	10-23-09	
Antimony	**ND**	5.6	6020	10-26-09	10-26-09	
Arsenic	**ND**	11	6020	10-23-09	10-23-09	
Barium	**24**	2.8	6020	10-23-09	10-23-09	
Cadmium	**ND**	0.56	6020	10-23-09	10-23-09	
Chromium	**11**	1.1	6020	10-23-09	10-23-09	
Copper	**18**	1.1	6020	10-23-09	10-23-09	
Lead	**ND**	5.6	6020	10-23-09	10-23-09	
Mercury	**ND**	0.28	7471A	10-26-09	10-26-09	
Nickel	**10**	2.8	6020	10-23-09	10-23-09	
Selenium	**ND**	11	6020	10-23-09	10-23-09	
Silver	**1.9**	0.56	6020	10-23-09	10-23-09	
Zinc	**29**	2.8	6020	10-23-09	10-23-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6020
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-23&26-09
Date Analyzed: 10-23&26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1023S1&MB1026S3

Analyte	Method	Result	PQL
Aluminum	6020	**ND**	5.0
Antimony	6020	**ND**	5.0
Arsenic	6020	**ND**	10
Barium	6020	**ND**	2.5
Cadmium	6020	**ND**	0.50
Chromium	6020	**ND**	1.0
Copper	6020	**ND**	0.50
Lead	6020	**ND**	5.0
Nickel	6020	**ND**	2.5
Selenium	6020	**ND**	10
Silver	6020	**ND**	0.50
Zinc	6020	**ND**	2.5

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1026S1

Analyte	Method	Result	PQL
Mercury	7471A	**ND**	0.25

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6020
DUPLICATE QUALITY CONTROL

Date Extracted: 10-23&26-09
Date Analyzed: 10-23&26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-128-02

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Aluminum	**4740**	**5470**	14	25	
Antimony	**ND**	**ND**	NA	5.0	
Arsenic	**ND**	**ND**	NA	10	
Barium	**24.9**	**23.9**	4	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**7.48**	**8.06**	7	1.0	
Copper	**11.0**	**13.1**	18	0.50	
Lead	**8.37**	**8.52**	2	5.0	
Nickel	**6.25**	**6.81**	9	2.5	
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	0.50	
Zinc	**45.5**	**48.1**	5	2.5	

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-13

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Mercury	**ND**	**ND**	NA	0.25	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6020
MS/MSD QUALITY CONTROL

Date Extracted: 10-23&26-09
Date Analyzed: 10-23&26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-128-02

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Aluminum	1000	**7390**	265	**6200**	146	17	A
Antimony	100	**94.8**	95	**101**	101	6	
Arsenic	100	**96.1**	96	**100**	100	4	
Barium	100	**125**	100	**126**	101	0	
Cadmium	50	**49.8**	100	**47.2**	94	5	
Chromium	100	**108**	101	**106**	98	2	
Copper	50	**60.3**	99	**62.0**	102	3	
Lead	250	**249**	96	**248**	96	0	
Nickel	100	**103**	97	**106**	99	3	
Selenium	100	**101**	101	**104**	104	3	
Silver	25	**24.0**	96	**23.7**	95	1	
Zinc	100	**149**	104	**152**	106	2	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 7471A
MS/MSD QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-13

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Mercury	0.50	**0.526**	105	**0.528**	106	1	

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-05					
Client ID:	**Stockpile-P1**					
Arsenic	**ND**	11	6010B	10-28-09	10-28-09	
Cadmium	**ND**	0.53	6010B	10-28-09	10-28-09	
Chromium	**15**	0.53	6010B	10-28-09	10-28-09	
Copper	**40**	1.1	6010B	10-28-09	10-28-09	
Lead	**ND**	5.3	6010B	10-28-09	10-28-09	
Mercury	**ND**	0.27	7471A	10-26-09	10-26-09	
Nickel	**15**	2.7	6010B	10-28-09	10-28-09	
Zinc	**33**	2.7	6010B	10-28-09	10-28-09	
Lab ID:	10-185-07					
Client ID:	**Stockpile-P2**					
Arsenic	**ND**	10	6010B	10-28-09	10-28-09	
Cadmium	**ND**	0.52	6010B	10-28-09	10-28-09	
Chromium	**16**	0.52	6010B	10-28-09	10-28-09	
Copper	**34**	1.0	6010B	10-28-09	10-28-09	
Lead	**ND**	5.2	6010B	10-28-09	10-28-09	
Mercury	**ND**	0.26	7471A	10-26-09	10-26-09	
Nickel	**12**	2.6	6010B	10-28-09	10-28-09	
Zinc	**26**	2.6	6010B	10-28-09	10-28-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-11					
Client ID:	**Stockpile-P3**					
Arsenic	**ND**	12	6010B	10-28-09	10-28-09	
Cadmium	**ND**	0.58	6010B	10-28-09	10-28-09	
Chromium	**17**	0.58	6010B	10-28-09	10-28-09	
Copper	**34**	1.2	6010B	10-28-09	10-28-09	
Lead	**ND**	5.8	6010B	10-28-09	10-28-09	
Mercury	**ND**	0.29	7471A	10-26-09	10-26-09	
Nickel	**15**	2.9	6010B	10-28-09	10-28-09	
Zinc	**180**	2.9	6010B	10-28-09	10-28-09	
Lab ID:	10-185-18					
Client ID:	**Stockpile-P4**					
Arsenic	**ND**	10	6010B	10-28-09	10-28-09	
Cadmium	**ND**	0.52	6010B	10-28-09	10-28-09	
Chromium	**15**	0.52	6010B	10-28-09	10-28-09	
Copper	**35**	1.0	6010B	10-28-09	10-28-09	
Lead	**ND**	5.2	6010B	10-28-09	10-28-09	
Mercury	**ND**	0.26	7471A	10-26-09	10-26-09	
Nickel	**13**	2.6	6010B	10-28-09	10-28-09	
Zinc	**38**	2.6	6010B	10-28-09	10-28-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-19					
Client ID:	**Stockpile-P5**					
Arsenic	**ND**	11	6010B	10-28-09	10-28-09	
Cadmium	**ND**	0.54	6010B	10-28-09	10-28-09	
Chromium	**14**	0.54	6010B	10-28-09	10-28-09	
Copper	**30**	1.1	6010B	10-28-09	10-28-09	
Lead	**ND**	5.4	6010B	10-28-09	10-28-09	
Mercury	**ND**	0.27	7471A	10-26-09	10-26-09	
Nickel	**13**	2.7	6010B	10-28-09	10-28-09	
Zinc	**24**	2.7	6010B	10-28-09	10-28-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-26&28-09
Date Analyzed: 10-26&28-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1026S2&MB1028S1

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Copper	6010B	**ND**	1.0
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Nickel	6010B	**ND**	2.5
Zinc	6010B	**ND**	2.5

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 10-26&28-09
Date Analyzed: 10-26&28-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-19

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**12.8**	**13.7**	6	0.50	
Copper	**28.2**	**29.5**	5	1.0	
Lead	**ND**	**ND**	NA	5.0	
Mercury	**ND**	**ND**	NA	0.25	
Nickel	**12.4**	**12.4**	0	2.5	
Zinc	**22.0**	**24.7**	11	2.5	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 10-26&28-09
Date Analyzed: 10-26&28-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-19

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**84.1**	84	**85.1**	85	1	
Cadmium	50	**45.0**	90	**45.1**	90	0	
Chromium	100	**104**	92	**105**	92	1	
Copper	50	**77.3**	98	**75.9**	96	2	
Lead	250	**216**	86	**217**	87	1	
Mercury	0.50	**0.515**	103	**0.510**	102	1	
Nickel	100	**102**	90	**103**	90	0	
Zinc	100	**118**	96	**115**	93	3	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-01					
Client ID:	**Tank3-B-1009**					
Arsenic	**ND**	12	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.58	6010B	10-29-09	10-29-09	
Chromium	**16**	0.58	6010B	10-29-09	10-29-09	
Copper	**26**	1.2	6010B	10-29-09	10-29-09	
Lead	**ND**	5.8	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.29	7471A	10-26-09	10-26-09	
Nickel	**15**	2.9	6010B	10-29-09	10-29-09	
Zinc	**27**	2.9	6010B	10-29-09	10-29-09	
Lab ID:	10-185-02					
Client ID:	**Product-W1Wall-1009**					
Arsenic	**ND**	11	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.55	6010B	10-29-09	10-29-09	
Chromium	**8.5**	0.55	6010B	10-29-09	10-29-09	
Copper	**13**	1.1	6010B	10-29-09	10-29-09	
Lead	**ND**	5.5	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.27	7471A	10-26-09	10-26-09	
Nickel	**8.3**	2.7	6010B	10-29-09	10-29-09	
Zinc	**32**	2.7	6010B	10-29-09	10-29-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-03					
Client ID:	**Tank4-B-1009**					
Arsenic	**ND**	13	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.64	6010B	10-29-09	10-29-09	
Chromium	**7.9**	0.64	6010B	10-29-09	10-29-09	
Copper	**13**	1.3	6010B	10-29-09	10-29-09	
Lead	**ND**	6.4	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.32	7471A	10-26-09	10-26-09	
Nickel	**9.1**	3.2	6010B	10-29-09	10-29-09	
Zinc	**29**	3.2	6010B	10-29-09	10-29-09	
Lab ID:	10-185-04					
Client ID:	**Tank5-B-1009**					
Arsenic	**ND**	12	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.60	6010B	10-29-09	10-29-09	
Chromium	**11**	0.60	6010B	10-29-09	10-29-09	
Copper	**25**	1.2	6010B	10-29-09	10-29-09	
Lead	**ND**	6.0	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.30	7471A	10-26-09	10-26-09	
Nickel	**12**	3.0	6010B	10-29-09	10-29-09	
Zinc	**23**	3.0	6010B	10-29-09	10-29-09	

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Date of Report: November 2, 2009
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TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-06					
Client ID:	**Tank6-B-1009**					
Arsenic	**ND**	11	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.56	6010B	10-29-09	10-29-09	
Chromium	**7.8**	0.56	6010B	10-29-09	10-29-09	
Copper	**9.3**	1.1	6010B	10-29-09	10-29-09	
Lead	**ND**	5.6	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.28	7471A	10-26-09	10-26-09	
Nickel	**8.8**	2.8	6010B	10-29-09	10-29-09	
Zinc	**25**	2.8	6010B	10-29-09	10-29-09	
Lab ID:	10-185-08					
Client ID:	**Tank7-B-1009**					
Arsenic	**ND**	11	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.57	6010B	10-29-09	10-29-09	
Chromium	**13**	0.57	6010B	10-29-09	10-29-09	
Copper	**33**	1.1	6010B	10-29-09	10-29-09	
Lead	**ND**	5.7	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.29	7471A	10-26-09	10-26-09	
Nickel	**13**	2.9	6010B	10-29-09	10-29-09	
Zinc	**29**	2.9	6010B	10-29-09	10-29-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-09					
Client ID:	**Product-W2Wall-1009**					
Arsenic	**ND**	11	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.56	6010B	10-29-09	10-29-09	
Chromium	**8.2**	0.56	6010B	10-29-09	10-29-09	
Copper	**14**	1.1	6010B	10-29-09	10-29-09	
Lead	**ND**	5.6	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.28	7471A	10-26-09	10-26-09	
Nickel	**6.8**	2.8	6010B	10-29-09	10-29-09	
Zinc	**17**	2.8	6010B	10-29-09	10-29-09	
Lab ID:	10-185-12					
Client ID:	**Tank8-B-1009**					
Arsenic	**ND**	12	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.59	6010B	10-29-09	10-29-09	
Chromium	**15**	0.59	6010B	10-29-09	10-29-09	
Copper	**30**	1.2	6010B	10-29-09	10-29-09	
Lead	**ND**	5.9	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.29	7471A	10-26-09	10-26-09	
Nickel	**15**	2.9	6010B	10-29-09	10-29-09	
Zinc	**27**	2.9	6010B	10-29-09	10-29-09	

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Date of Report: November 2, 2009
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TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-14					
Client ID:	**Tank9-B-1009**					
Arsenic	**ND**	12	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.61	6010B	10-29-09	10-29-09	
Chromium	**17**	0.61	6010B	10-29-09	10-29-09	
Copper	**13**	1.2	6010B	10-29-09	10-29-09	
Lead	**7.2**	6.1	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.31	7471A	10-26-09	10-26-09	
Nickel	**22**	3.1	6010B	10-29-09	10-29-09	
Zinc	**95**	3.1	6010B	10-29-09	10-29-09	
Lab ID:	10-185-15					
Client ID:	**Product-NWall-1009**					
Arsenic	**ND**	13	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.64	6010B	10-29-09	10-29-09	
Chromium	**7.2**	0.64	6010B	10-29-09	10-29-09	
Copper	**9.3**	1.3	6010B	10-29-09	10-29-09	
Lead	**ND**	6.4	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.32	7471A	10-26-09	10-26-09	
Nickel	**6.6**	3.2	6010B	10-29-09	10-29-09	
Zinc	**140**	3.2	6010B	10-29-09	10-29-09	

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TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-16					
Client ID:	**Product-E1Wall-1009**					
Arsenic	**ND**	11	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.56	6010B	10-29-09	10-29-09	
Chromium	**13**	0.56	6010B	10-29-09	10-29-09	
Copper	**28**	1.1	6010B	10-29-09	10-29-09	
Lead	**ND**	5.6	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.28	7471A	10-26-09	10-26-09	
Nickel	**13**	2.8	6010B	10-29-09	10-29-09	
Zinc	**24**	2.8	6010B	10-29-09	10-29-09	
Lab ID:	10-185-17					
Client ID:	**Product-E2Wall-1009**					
Arsenic	**ND**	12	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.58	6010B	10-29-09	10-29-09	
Chromium	**18**	0.58	6010B	10-29-09	10-29-09	
Copper	**26**	1.2	6010B	10-29-09	10-29-09	
Lead	**ND**	5.8	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.29	7471A	10-26-09	10-26-09	
Nickel	**14**	2.9	6010B	10-29-09	10-29-09	
Zinc	**25**	2.9	6010B	10-29-09	10-29-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
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TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-20					
Client ID:	**Product-SWall-1009**					
Arsenic	**ND**	12	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.61	6010B	10-29-09	10-29-09	
Chromium	**5.6**	0.61	6010B	10-29-09	10-29-09	
Copper	**5.3**	1.2	6010B	10-29-09	10-29-09	
Lead	**ND**	6.1	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.30	7471A	10-26-09	10-26-09	
Nickel	**5.2**	3.0	6010B	10-29-09	10-29-09	
Zinc	**14**	3.0	6010B	10-29-09	10-29-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-26&28-09
Date Analyzed: 10-26&28-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1026S2&MB1028S1

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Copper	6010B	**ND**	1.0
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Nickel	6010B	**ND**	2.5
Zinc	6010B	**ND**	2.5

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 10-26&28-09
Date Analyzed: 10-26&28-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-19

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**12.8**	**13.7**	6	0.50	
Copper	**28.2**	**29.5**	5	1.0	
Lead	**ND**	**ND**	NA	5.0	
Mercury	**ND**	**ND**	NA	0.25	
Nickel	**12.4**	**12.4**	0	2.5	
Zinc	**22.0**	**24.7**	11	2.5	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 10-26&28-09
Date Analyzed: 10-26&28-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-19

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**84.1**	84	**85.1**	85	1	
Cadmium	50	**45.0**	90	**45.1**	90	0	
Chromium	100	**104**	92	**105**	92	1	
Copper	50	**77.3**	98	**75.9**	96	2	
Lead	250	**216**	86	**217**	87	1	
Mercury	0.50	**0.515**	103	**0.510**	102	1	
Nickel	100	**102**	90	**103**	90	0	
Zinc	100	**118**	96	**115**	93	3	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 200.8/7470A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-10					
Client ID:	**Product-GW-1009**					
Arsenic	**12**	3.3	200.8	10-31-09	10-31-09	
Cadmium	**ND**	4.4	200.8	10-31-09	10-31-09	
Chromium	**30**	11	200.8	10-31-09	10-31-09	
Copper	**110**	11	200.8	10-31-09	10-31-09	
Lead	**14**	1.1	200.8	10-31-09	10-31-09	
Mercury	**ND**	0.5	7470A	10-30-09	10-30-09	
Nickel	**26**	22	200.8	10-31-09	10-31-09	
Zinc	**120**	28	200.8	10-31-09	10-31-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 200.8/7470A
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-30&31-09
Date Analyzed: 10-30&31-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1030W1&MB1031W2

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Copper	200.8	**ND**	11
Lead	200.8	**ND**	1.1
Mercury	7470A	**ND**	0.50
Nickel	200.8	**ND**	22
Zinc	200.8	**ND**	28

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 200.8/7470A
DUPLICATE QUALITY CONTROL

Date Extracted: 10-30&31-09
Date Analyzed: 10-30&31-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 10-185-10

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**12.3**	**12.9**	5	3.3	
Cadmium	**ND**	**ND**	NA	4.4	
Chromium	**30.1**	**35.8**	17	11	
Copper	**110**	**115**	4	11	
Lead	**14.2**	**14.7**	4	1.1	
Mercury	**ND**	**ND**	NA	0.50	
Nickel	**26.2**	**28.6**	9	22	
Zinc	**117**	**112**	5	28	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 200.8/7470A
MS/MSD QUALITY CONTROL

Date Extracted: 10-30&31-09
Date Analyzed: 10-30&31-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 10-185-10

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	110	**121**	99	**124**	101	3	
Cadmium	110	**111**	101	**110**	100	1	
Chromium	110	**122**	84	**122**	84	0	
Copper	110	**209**	89	**215**	95	3	
Lead	110	**121**	97	**124**	99	2	
Mercury	12.5	**11.6**	93	**12.2**	98	6	
Nickel	110	**124**	89	**131**	95	6	
Zinc	110	**216**	90	**226**	99	5	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TCLP Metals
EPA 1311/6010B

Matrix: TCLP Extract
Units: mg/L (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-13					
Client ID:	**PCS-1**					
Chromium	**ND**	0.020	6010B	10-29-09	10-29-09	
Lead	**ND**	0.20	6010B	10-29-09	10-29-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TCLP Metals
EPA 1311/6010B
METHOD BLANK QUALITY CONTROL

Date Prepared:	10-28-09
Date Extracted:	10-29-09
Date Analyzed:	10-29-09
Matrix:	TCLP Extract
Units:	mg/L (ppm)
Lab ID:	MB1029T1

Analyte	Method	Result	PQL
Chromium	6010B	**ND**	0.020
Lead	6010B	**ND**	0.20

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TCLP Metals
EPA 1311/6010B
DUPLICATE QUALITY CONTROL

Date Prepared: 10-28-09
Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 10-185-13

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Chromium	**ND**	**ND**	NA	0.020	
Lead	**ND**	**ND**	NA	0.20	

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TCLP Metals
EPA 1311/6010B
MS/MSD QUALITY CONTROL

Date Prepared: 10-28-09
Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 10-185-13

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Chromium	4.0	**4.20**	105	**4.34**	109	3	
Lead	10	**10.1**	101	**10.3**	103	2	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**PCS-1**					
Laboratory ID:	10-185-13					
Aroclor 1016	**ND**	0.056	EPA 8082	10-28-09	10-28-09	
Aroclor 1221	**ND**	0.056	EPA 8082	10-28-09	10-28-09	
Aroclor 1232	**ND**	0.056	EPA 8082	10-28-09	10-28-09	
Aroclor 1242	**ND**	0.056	EPA 8082	10-28-09	10-28-09	
Aroclor 1248	**ND**	0.056	EPA 8082	10-28-09	10-28-09	
Aroclor 1254	**ND**	0.056	EPA 8082	10-28-09	10-28-09	
Aroclor 1260	**ND**	0.056	EPA 8082	10-28-09	10-28-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*85*	*33-122*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1028S1					
Aroclor 1016	**ND**	0.050	EPA 8082	10-28-09	10-28-09	
Aroclor 1221	**ND**	0.050	EPA 8082	10-28-09	10-28-09	
Aroclor 1232	**ND**	0.050	EPA 8082	10-28-09	10-28-09	
Aroclor 1242	**ND**	0.050	EPA 8082	10-28-09	10-28-09	
Aroclor 1248	**ND**	0.050	EPA 8082	10-28-09	10-28-09	
Aroclor 1254	**ND**	0.050	EPA 8082	10-28-09	10-28-09	
Aroclor 1260	**ND**	0.050	EPA 8082	10-28-09	10-28-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*81*	*33-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-185-13										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.394**	**0.425**	0.500	0.500	ND	**79**	**85**	24-125	8	18	
Surrogate:											
DCB						*88*	*80*	*33-122*			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

% MOISTURE

Date Analyzed: 10-23&26-09

Client ID	Lab ID	% Moisture
Tank 3-B-1009	10-185-01	14
Product –W1 Wall-1009	10-185-02	9
Tank 4-B-1009	10-185-03	22
Tank 5-B-1009	10-185-04	16
Stockpile-P1	10-185-05	6
Tank 6-B-1009	10-185-06	11
Stockpile-P2	10-185-07	4
Tank 7-B-1009	10-185-08	12
Product-W2 Wall-1009	10-185-09	11
Stockpile-3	10-185-11	14
Tank 8-B-1009	10-185-12	15
PCS-1	10-185-13	10
Tank 9-B-1009	10-185-14	19
Product-N Wall-1009	10-185-15	21
Product-E1 Wall-1009	10-185-16	11
Product E2 Wall-1009	10-185-17	13
Stockpile-P4	10-185-18	5
Stockpile-P5	10-185-19	7
Product-S Wall-1009	10-185-20	18

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z - The chromatogram is similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

CHAIN-OF-CUSTODY RECORD

10-185 SEA 10009

PROJECT NAME: Kelly - Moore			DATE: 10/22/09 PAGE 1 OF 2
PROJECT NUMBER: 146097	LABORATORY NAME: OnSite	CLIENT INFORMATION: AMEC Geomx	REPORTING REQUIREMENTS:
RESULTS TO: Tasya Gray	LABORATORY ADDRESS:	2000 University	
TURNAROUND TIME: Std except where noted		STE 1020	
SAMPLE SHIPMENT METHOD: lab pick up / courier	LABORATORY CONTACT: D. Baumeister	Seattle WA 98101	GEOTRACKER REQUIRED YES NO
	LABORATORY PHONE NUMBER: 425-883-3881		SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE):

ANALYSES

	DATE	TIME	SAMPLE NUMBER	TPH-Gx	NWTPH-Dx	SVOCs (8270)	VOCs (8260)	metals	metals 2	TCLP Pb+Cr	PCBs 8082							Geomoisture	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
1	10/20/09	1450	Tank 3-B-1009	/	/	/	/	/											multiple	S	-	HCl No3 None	Y	N	6	
2	10/21/09	1045	Product-W1 Wall-1009	/	/	/	/	/												S	-	None	Y	N	6	
3		1050	Tank 4-B-1009	/	/	/	/	/												S	-		Y	N	6	
4		1300	Tank 5-B-1009	/	/	/	/	/												S	-		Y	N	6	
5		1335	Stockpile-P1	/	/	/	/	/												S	-		Y	N	6	3 day TAT
6		1450	Tank 6-B-1009	/	/	/	/	/												S	-		Y	N	6	
7	↓	1605	Stockpile-P2	/	/	/	/	/												S	-		Y	N	6	3 day TAT
8	10/22/09	855	Tank 7-B-1009	/	/	/	/	/												S	-		Y	N	6	
9		900	Product-W2 Wall-1009	/	/	/	/	/												S	-	↓	Y	N	6	
10		1025	Product-GW-1009	/	/	/	/	/												W	2	HCl No3	Y	Y	15	
11		1050	Stockpile-P3	/	/	/	/	/												S	-	None	Y	N	6	3 day TAT
12		1105	Tank 8-B-1009	/	/	/	/	/												S	-	None	Y	N	6	
13		1135	PCS-1	/	/	/	/		/	⊗	⊗									S	-	None	Y	N	8	24 Hr TAT
14		1355	Tank 9-B-1009	/	/	/	/	/												S	-	None	Y	N	6	
15	↓	1400	Product-N Wall-1009	/	/	/	/	/												S	-	None	Y	N	6	

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE:	10/23/09	900	SIGNATURE:	10/23/09	9:00
PRINTED NAME: Abby Bacon			PRINTED NAME: Speedy		
COMPANY: AMEC GMX			COMPANY: #24		
SIGNATURE:	10/23/09	9:40	SIGNATURE:	10/23/09	9:45
PRINTED NAME:			PRINTED NAME: M VOWN		
COMPANY: Speedy #24			COMPANY: OGE		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		

TOTAL NUMBER OF CONTAINERS: 150

SAMPLING COMMENTS:

metals = As, Cd, Cu, Cr, Pb, Ni, Hg, Zn (6010 & 6020)
Acid wash / Silica Gel cleanup for TPH-Dx
metals 2 = RCRA 8 + Al, Cu, Ni, Sb, Zn
@Added 10/28/09.DB (1 day TAT)

One Union Square, 600 University Street, Suite 1020
Seattle, Washington 98101-4107
Tel 206.342.1760 Fax 206.342.1761

Geomatrix

CHAIN-OF-CUSTODY RECORD

10-185 SEA 10010

PROJECT NAME: Kelly-Moore			DATE: 10/22/09 PAGE 2 OF 2
PROJECT NUMBER: 14697	LABORATORY NAME: Onsite	CLIENT INFORMATION: AMEC GMX	REPORTING REQUIREMENTS:
RESULTS TO: Tasya Gray	LABORATORY ADDRESS:	600 University St	
TURNAROUND TIME: 24 hr except as noted		STE 1020	
SAMPLE SHIPMENT METHOD: lab pick-up/courier	LABORATORY CONTACT: E. Daumeister	Seattle WA 98101	GEOTRACKER REQUIRED YES NO
	LABORATORY PHONE NUMBER: 425-883-3881		SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE):

	DATE	TIME	SAMPLE NUMBER	TPH-Gx	NWTPH-Dx	SVOCs (8270)	VOCs (8260)	metals	% moisture	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
16	10/22/09	1500	Product-E1 Wall-1009	/	/	/	/	/	X	multiple	S	-	None	4	2	6	
17		1515	Product-E2 Wall-1009	/	/	/	/	/			S	-	None	4	2	6	
18		1525	Stockpile - P4	/	/	/	/	/			S	-	None	4	2	6	3 day TAT
19	↓	1530	Stockpile - P5	/	/	/	/	/		↓	S	-	~~Hcl~~ None	4	~~2~~ 3	12	3 day TAT
20	10/20/09	1445	Product-S Wall-1009	/	/	/	/	/	↓	multiple	S	-	None	4	2	6	
21	-	-	TRIP BLANK				/				W					4	

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE:	10/23/09	900	SIGNATURE:	10/22/09	9am
PRINTED NAME: Abby Bazin			PRINTED NAME: Speedy		
COMPANY: AMEC GMX			COMPANY: #24		
SIGNATURE:	10/23/09	9:40	SIGNATURE:	10/23/09	945
PRINTED NAME:			PRINTED NAME: MVOLN		
COMPANY: Speedy			COMPANY: OBE		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		

TOTAL NUMBER OF CONTAINERS:

SAMPLING COMMENTS:

One Union Square, 600 University Street, Suite 1020
Seattle, Washington 98101-4107
Tel 206.342.1760 Fax 206.342.1761

Geomatrix

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 4, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0910-238

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on October 29, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,



David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

Case Narrative

Samples were collected on October 29, 2009, and received by the laboratory on October 29, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The chromatograms for samples NW Pipe-5.0-1009 and NW Pipe-0.5-1009 are similar to mineral spirits.

The chromatograms for samples NW Pipe-2.0-1009 and NW Pipe-2.5-1009 are similar to mineral spirits with gasoline range organics.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Volatiles EPA 8260B Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Semivolatiles EPA 8270D/SIM Analysis

Samples NW Pipe-2.0-1009 and NW Pipe-0.5-1009 had one surrogate recovery out of control limits. This is within allowance of our standard operation procedure as long as the recovery is above 10%.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-2.0-1009**					
Laboratory ID:	10-238-01					
N-Nitrosodimethylamine	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Pyridine	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Phenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Aniline	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroethyl)ether	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2-Chlorophenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
1,3-Dichlorobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
1,4-Dichlorobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Benzyl alcohol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
1,2-Dichlorobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2-Methylphenol (o-Cresol)	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroisopropyl)ether	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
N-Nitroso-di-n-propylamine	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Hexachloroethane	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Nitrobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Isophorone	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2-Nitrophenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2,4-Dimethylphenol	**2.6**	0.23	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroethoxy)methane	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2,4-Dichlorophenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
1,2,4-Trichlorobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Naphthalene	**1.1**	0.23	EPA 8270	10-31-09	11-2-09	
4-Chloroaniline	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Hexachlorobutadiene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
4-Chloro-3-methylphenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2-Methylnaphthalene	**1.4**	0.23	EPA 8270	10-31-09	11-2-09	
1-Methylnaphthalene	**1.2**	0.23	EPA 8270	10-31-09	11-2-09	
Hexachlorocyclopentadiene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2,4,6-Trichlorophenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2,3-Dichloroaniline	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2,4,5-Trichlorophenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2-Chloronaphthalene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2-Nitroaniline	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
1,4-Dinitrobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Dimethylphthalate	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
1,3-Dinitrobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2,6-Dinitrotoluene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
1,2-Dinitrobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Acenaphthylene	**ND**	0.045	EPA 8270/SIM	10-31-09	11-3-09	
3-Nitroaniline	**ND**	0.23	EPA 8270	10-31-09	11-2-09	

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-2.0-1009**					
Laboratory ID:	10-238-01					
2,4-Dinitrophenol	**ND**	1.1	EPA 8270	10-31-09	11-2-09	
Acenaphthene	**ND**	0.045	EPA 8270/SIM	10-31-09	11-3-09	
4-Nitrophenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2,4-Dinitrotoluene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Dibenzofuran	**0.40**	0.23	EPA 8270	10-31-09	11-2-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Diethylphthalate	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
4-Chlorophenyl-phenylether	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
4-Nitroaniline	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Fluorene	**0.082**	0.045	EPA 8270/SIM	10-31-09	11-3-09	
4,6-Dinitro-2-methylphenol	**ND**	1.1	EPA 8270	10-31-09	11-2-09	
N-Nitrosodiphenylamine	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
1,2-Diphenylhydrazine	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
4-Bromophenyl-phenylether	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Hexachlorobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Pentachlorophenol	**ND**	1.1	EPA 8270	10-31-09	11-2-09	
Phenanthrene	**0.84**	0.23	EPA 8270	10-31-09	11-2-09	
Anthracene	**0.092**	0.045	EPA 8270/SIM	10-31-09	11-3-09	
Carbazole	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Di-n-butylphthalate	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Fluoranthene	**0.69**	0.23	EPA 8270	10-31-09	11-2-09	
Benzidine	**ND**	2.3	EPA 8270	10-31-09	11-2-09	
Pyrene	**0.94**	0.23	EPA 8270	10-31-09	11-2-09	
Butylbenzylphthalate	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
bis-2-Ethylhexyladipate	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
3,3'-Dichlorobenzidine	**ND**	2.3	EPA 8270	10-31-09	11-2-09	
Benzo[a]anthracene	**0.33**	0.23	EPA 8270	10-31-09	11-2-09	
Chrysene	**0.47**	0.23	EPA 8270	10-31-09	11-2-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Di-n-octylphthalate	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Benzo[b]fluoranthene	**0.52**	0.23	EPA 8270	10-31-09	11-2-09	
Benzo[k]fluoranthene	**0.14**	0.045	EPA 8270/SIM	10-31-09	11-3-09	
Benzo[a]pyrene	**0.54**	0.23	EPA 8270	10-31-09	11-2-09	
Indeno[1,2,3-cd]pyrene	**0.34**	0.23	EPA 8270	10-31-09	11-2-09	
Dibenz[a,h]anthracene	**0.077**	0.045	EPA 8270/SIM	10-31-09	11-3-09	
Benzo[g,h,i]perylene	**0.47**	0.23	EPA 8270	10-31-09	11-2-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*16*	*19 - 97*				Q
Phenol-d6	*87*	*22 - 108*				
Nitrobenzene-d5	*100*	*21 - 106*				
2-Fluorobiphenyl	*92*	*29 - 107*				
2,4,6-Tribromophenol	*70*	*44 - 121*				
Terphenyl-d14	*85*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-2.5-1009**					
Laboratory ID:	10-238-02					
N-Nitrosodimethylamine	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Pyridine	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Phenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Aniline	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroethyl)ether	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2-Chlorophenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
1,3-Dichlorobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
1,4-Dichlorobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Benzyl alcohol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
1,2-Dichlorobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2-Methylphenol (o-Cresol)	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroisopropyl)ether	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
N-Nitroso-di-n-propylamine	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Hexachloroethane	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Nitrobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Isophorone	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2-Nitrophenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,4-Dimethylphenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroethoxy)methane	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,4-Dichlorophenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
1,2,4-Trichlorobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Naphthalene	**0.072**	0.049	EPA 8270	10-31-09	11-2-09	
4-Chloroaniline	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Hexachlorobutadiene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
4-Chloro-3-methylphenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2-Methylnaphthalene	**0.031**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
1-Methylnaphthalene	**0.025**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Hexachlorocyclopentadiene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,4,6-Trichlorophenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,3-Dichloroaniline	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,4,5-Trichlorophenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2-Chloronaphthalene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2-Nitroaniline	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
1,4-Dinitrobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Dimethylphthalate	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
1,3-Dinitrobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,6-Dinitrotoluene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
1,2-Dinitrobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Acenaphthylene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
3-Nitroaniline	**ND**	0.049	EPA 8270	10-31-09	11-2-09	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-2.5-1009**					
Laboratory ID:	10-238-02					
2,4-Dinitrophenol	**ND**	0.25	EPA 8270	10-31-09	11-2-09	
Acenaphthene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
4-Nitrophenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,4-Dinitrotoluene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Dibenzofuran	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Diethylphthalate	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
4-Chlorophenyl-phenylether	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
4-Nitroaniline	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Fluorene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
4,6-Dinitro-2-methylphenol	**ND**	0.25	EPA 8270	10-31-09	11-2-09	
N-Nitrosodiphenylamine	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
1,2-Diphenylhydrazine	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
4-Bromophenyl-phenylether	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Hexachlorobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Pentachlorophenol	**ND**	0.25	EPA 8270	10-31-09	11-2-09	
Phenanthrene	**0.015**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Anthracene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Carbazole	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Di-n-butylphthalate	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Fluoranthene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Benzidine	**ND**	0.49	EPA 8270	10-31-09	11-2-09	
Pyrene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Butylbenzylphthalate	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
bis-2-Ethylhexyladipate	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
3,3'-Dichlorobenzidine	**ND**	0.49	EPA 8270	10-31-09	11-2-09	
Benzo[a]anthracene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Chrysene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Di-n-octylphthalate	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Benzo[b]fluoranthene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Benzo[k]fluoranthene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Benzo[a]pyrene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Dibenz[a,h]anthracene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Benzo[g,h,i]perylene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*49*	*19 - 97*				
Phenol-d6	*75*	*22 - 108*				
Nitrobenzene-d5	*87*	*21 - 106*				
2-Fluorobiphenyl	*77*	*29 - 107*				
2,4,6-Tribromophenol	*68*	*44 - 121*				
Terphenyl-d14	*75*	*37 - 120*				

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-5.0-1009**					
Laboratory ID:	10-238-03					
N-Nitrosodimethylamine	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Pyridine	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Phenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Aniline	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroethyl)ether	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2-Chlorophenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
1,3-Dichlorobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
1,4-Dichlorobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Benzyl alcohol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
1,2-Dichlorobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2-Methylphenol (o-Cresol)	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroisopropyl)ether	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
N-Nitroso-di-n-propylamine	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Hexachloroethane	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Nitrobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Isophorone	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2-Nitrophenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,4-Dimethylphenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroethoxy)methane	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,4-Dichlorophenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
1,2,4-Trichlorobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Naphthalene	**0.0083**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
4-Chloroaniline	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Hexachlorobutadiene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
4-Chloro-3-methylphenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2-Methylnaphthalene	**0.010**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
1-Methylnaphthalene	**0.010**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Hexachlorocyclopentadiene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,4,6-Trichlorophenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,3-Dichloroaniline	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,4,5-Trichlorophenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2-Chloronaphthalene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2-Nitroaniline	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
1,4-Dinitrobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Dimethylphthalate	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
1,3-Dinitrobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,6-Dinitrotoluene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
1,2-Dinitrobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Acenaphthylene	**ND**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
3-Nitroaniline	**ND**	0.038	EPA 8270	10-31-09	11-2-09	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-5.0-1009**					
Laboratory ID:	10-238-03					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-31-09	11-2-09	
Acenaphthene	**ND**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
4-Nitrophenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,4-Dinitrotoluene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Dibenzofuran	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Diethylphthalate	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
4-Chlorophenyl-phenylether	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
4-Nitroaniline	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Fluorene	**ND**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-31-09	11-2-09	
N-Nitrosodiphenylamine	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
1,2-Diphenylhydrazine	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
4-Bromophenyl-phenylether	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Hexachlorobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-31-09	11-2-09	
Phenanthrene	**0.017**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Anthracene	**ND**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Carbazole	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Di-n-butylphthalate	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Fluoranthene	**0.023**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Benzidine	**ND**	0.38	EPA 8270	10-31-09	11-2-09	
Pyrene	**0.023**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Butylbenzylphthalate	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
bis-2-Ethylhexyladipate	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
3,3'-Dichlorobenzidine	**ND**	0.38	EPA 8270	10-31-09	11-2-09	
Benzo[a]anthracene	**0.012**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Chrysene	**0.016**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
bis(2-Ethylhexyl)phthalate	**0.041**	0.038	EPA 8270	10-31-09	11-2-09	
Di-n-octylphthalate	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Benzo[b]fluoranthene	**0.017**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Benzo[k]fluoranthene	**ND**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Benzo[a]pyrene	**0.015**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Indeno[1,2,3-cd]pyrene	**0.012**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Dibenz[a,h]anthracene	**ND**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Benzo[g,h,i]perylene	**0.015**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*49*	*19 - 97*				
Phenol-d6	*63*	*22 - 108*				
Nitrobenzene-d5	*64*	*21 - 106*				
2-Fluorobiphenyl	*69*	*29 - 107*				
2,4,6-Tribromophenol	*63*	*44 - 121*				
Terphenyl-d14	*70*	*37 - 120*				

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Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-0.5-1009**					
Laboratory ID:	10-238-04					
N-Nitrosodimethylamine	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Pyridine	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Phenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Aniline	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroethyl)ether	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2-Chlorophenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
1,3-Dichlorobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
1,4-Dichlorobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Benzyl alcohol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
1,2-Dichlorobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2-Methylphenol (o-Cresol)	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroisopropyl)ether	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
N-Nitroso-di-n-propylamine	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Hexachloroethane	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Nitrobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Isophorone	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2-Nitrophenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,4-Dimethylphenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroethoxy)methane	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,4-Dichlorophenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
1,2,4-Trichlorobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Naphthalene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
4-Chloroaniline	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Hexachlorobutadiene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
4-Chloro-3-methylphenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2-Methylnaphthalene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
1-Methylnaphthalene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Hexachlorocyclopentadiene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,4,6-Trichlorophenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,3-Dichloroaniline	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,4,5-Trichlorophenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2-Chloronaphthalene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2-Nitroaniline	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
1,4-Dinitrobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Dimethylphthalate	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,6-Dinitrotoluene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
1,2-Dinitrobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Acenaphthylene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
3-Nitroaniline	**ND**	0.18	EPA 8270	10-31-09	11-2-09	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-0.5-1009**					
Laboratory ID:	10-238-04					
2,4-Dinitrophenol	**ND**	0.91	EPA 8270	10-31-09	11-2-09	
Acenaphthene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
4-Nitrophenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,4-Dinitrotoluene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Dibenzofuran	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Diethylphthalate	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
4-Chlorophenyl-phenylether	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
4-Nitroaniline	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Fluorene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
4,6-Dinitro-2-methylphenol	**ND**	0.91	EPA 8270	10-31-09	11-2-09	
N-Nitrosodiphenylamine	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
1,2-Diphenylhydrazine	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
4-Bromophenyl-phenylether	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Hexachlorobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Pentachlorophenol	**ND**	0.91	EPA 8270	10-31-09	11-2-09	
Phenanthrene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Anthracene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Carbazole	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Di-n-butylphthalate	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Fluoranthene	**0.043**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Benzidine	**ND**	1.8	EPA 8270	10-31-09	11-2-09	
Pyrene	**0.13**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Butylbenzylphthalate	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
bis-2-Ethylhexyladipate	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
3,3'-Dichlorobenzidine	**ND**	1.8	EPA 8270	10-31-09	11-2-09	
Benzo[a]anthracene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Chrysene	**0.052**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
bis(2-Ethylhexyl)phthalate	**1.4**	0.18	EPA 8270	10-31-09	11-2-09	
Di-n-octylphthalate	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Benzo[b]fluoranthene	**0.10**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Benzo[k]fluoranthene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Benzo[a]pyrene	**0.098**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Indeno[1,2,3-cd]pyrene	**0.075**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Dibenz[a,h]anthracene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Benzo[g,h,i]perylene	**0.12**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*66*	*19 - 97*				
Phenol-d6	*79*	*22 - 108*				
Nitrobenzene-d5	*136*	*21 - 106*				Q
2-Fluorobiphenyl	*77*	*29 - 107*				
2,4,6-Tribromophenol	*58*	*44 - 121*				
Terphenyl-d14	*70*	*37 - 120*				

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1031S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Pyridine	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Phenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Aniline	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Hexachloroethane	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Nitrobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Isophorone	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	10-31-09	10-31-09	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1031S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	10-31-09	10-31-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Dibenzofuran	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Diethylphthalate	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	10-31-09	10-31-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	10-31-09	10-31-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Carbazole	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Benzidine	**ND**	0.33	EPA 8270	10-31-09	10-31-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	10-31-09	10-31-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*76*	*19 - 97*				
Phenol-d6	*78*	*22 - 108*				
Nitrobenzene-d5	*78*	*21 - 106*				
2-Fluorobiphenyl	*75*	*29 - 107*				
2,4,6-Tribromophenol	*73*	*44 - 121*				
Terphenyl-d14	*78*	*37 - 120*				

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-251-03										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**0.977**	**0.984**	1.33	1.33	ND	73	74	38 - 97	1	30	
2-Chlorophenol	**0.872**	**0.864**	1.33	1.33	ND	66	65	28 - 102	1	38	
1,4-Dichlorobenzene	**0.361**	**0.373**	0.667	0.667	ND	54	56	14 - 84	3	41	
N-Nitroso-di-n-propylamine	**0.467**	**0.467**	0.667	0.667	ND	70	70	25 - 104	0	39	
1,2,4-Trichlorobenzene	**0.407**	**0.411**	0.667	0.667	ND	61	62	23 - 93	1	37	
4-Chloro-3-methylphenol	**1.07**	**1.05**	1.33	1.33	ND	80	79	49 - 113	2	31	
Acenaphthene	**0.484**	**0.472**	0.667	0.667	ND	73	71	37 - 101	3	40	
4-Nitrophenol	**0.973**	**0.973**	1.33	1.33	ND	73	73	30 - 136	0	31	
2,4-Dinitrotoluene	**0.484**	**0.471**	0.667	0.667	ND	73	71	36 - 122	3	32	
Pentachlorophenol	**0.901**	**0.828**	1.33	1.33	ND	68	62	15 - 143	8	34	
Pyrene	**0.519**	**0.511**	0.667	0.667	ND	78	77	24 - 138	2	39	
Surrogate:											
2-Fluorophenol						*60*	*58*	*19 - 97*			
Phenol-d6						*66*	*64*	*22 - 108*			
Nitrobenzene-d5						*60*	*59*	*21 - 106*			
2-Fluorobiphenyl						*69*	*66*	*29 - 107*			
2,4,6-Tribromophenol						*67*	*65*	*44 - 121*			
Terphenyl-d14						*72*	*69*	*37 - 120*			

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 11-2-09
Date Analyzed: 11-2&3-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-238-01
Client ID: NW Pipe-2.0-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.083
Chloromethane	ND		0.41
Vinyl Chloride	ND		0.083
Bromomethane	ND		0.083
Chloroethane	ND		0.41
Trichlorofluoromethane	2.4		0.083
1,1-Dichloroethene	ND		0.083
Acetone	15		8.3
Iodomethane	ND		0.41
Carbon Disulfide	ND		0.083
Methylene Chloride	ND		0.41
(trans) 1,2-Dichloroethene	ND		0.083
Methyl t-Butyl Ether	ND		0.083
1,1-Dichloroethane	ND		0.083
Vinyl Acetate	ND		0.41
2,2-Dichloropropane	ND		0.083
(cis) 1,2-Dichloroethene	ND		0.083
2-Butanone	7.3		0.41
Bromochloromethane	ND		0.083
Chloroform	ND		0.083
1,1,1-Trichloroethane	ND		0.083
Carbon Tetrachloride	ND		0.083
1,1-Dichloropropene	ND		0.083
Benzene	ND		0.083
1,2-Dichloroethane	ND		0.083
Trichloroethene	ND		0.083
1,2-Dichloropropane	ND		0.083
Dibromomethane	ND		0.083
Bromodichloromethane	ND		0.083
2-Chloroethyl Vinyl Ether	ND		0.41
(cis) 1,3-Dichloropropene	ND		0.083
Methyl Isobutyl Ketone	150		8.3
Toluene	79		8.3
(trans) 1,3-Dichloropropene	ND		0.083

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 10-238-01
Client ID: NW Pipe-2.0-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.083
Tetrachloroethene	ND		0.083
1,3-Dichloropropane	ND		0.083
2-Hexanone	ND		0.41
Dibromochloromethane	ND		0.083
1,2-Dibromoethane	ND		0.083
Chlorobenzene	ND		0.083
1,1,1,2-Tetrachloroethane	ND		0.083
Ethylbenzene	0.42		0.083
m,p-Xylene	1.2		0.17
o-Xylene	0.29		0.083
Styrene	ND		0.083
Bromoform	ND		0.083
Isopropylbenzene	ND		0.083
Bromobenzene	ND		0.083
1,1,2,2-Tetrachloroethane	ND		0.083
1,2,3-Trichloropropane	ND		0.083
n-Propylbenzene	ND		0.083
2-Chlorotoluene	ND		0.083
4-Chlorotoluene	ND		0.083
1,3,5-Trimethylbenzene	ND		0.083
tert-Butylbenzene	ND		0.083
1,2,4-Trimethylbenzene	ND		0.083
sec-Butylbenzene	ND		0.083
1,3-Dichlorobenzene	ND		0.083
p-Isopropyltoluene	ND		0.083
1,4-Dichlorobenzene	ND		0.083
1,2-Dichlorobenzene	ND		0.083
n-Butylbenzene	ND		0.083
1,2-Dibromo-3-chloropropane	ND		0.41
1,2,4-Trichlorobenzene	ND		0.083
Hexachlorobutadiene	ND		0.41
Naphthalene	ND		0.083
1,2,3-Trichlorobenzene	ND		0.083

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	88	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	85	54-130

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Date Extracted: 11-2-09
Date Analyzed: 11-2&3-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-238-02
Client ID: NW Pipe-2.5-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.085
Chloromethane	ND		0.42
Vinyl Chloride	ND		0.085
Bromomethane	ND		0.085
Chloroethane	ND		0.42
Trichlorofluoromethane	ND		0.085
1,1-Dichloroethene	ND		0.085
Acetone	15		0.42
Iodomethane	ND		0.42
Carbon Disulfide	ND		0.085
Methylene Chloride	ND		0.42
(trans) 1,2-Dichloroethene	ND		0.085
Methyl t-Butyl Ether	ND		0.085
1,1-Dichloroethane	ND		0.085
Vinyl Acetate	ND		0.42
2,2-Dichloropropane	ND		0.085
(cis) 1,2-Dichloroethene	ND		0.085
2-Butanone	2.5		0.42
Bromochloromethane	ND		0.085
Chloroform	ND		0.085
1,1,1-Trichloroethane	ND		0.085
Carbon Tetrachloride	ND		0.085
1,1-Dichloropropene	ND		0.085
Benzene	ND		0.085
1,2-Dichloroethane	ND		0.085
Trichloroethene	ND		0.085
1,2-Dichloropropane	ND		0.085
Dibromomethane	ND		0.085
Bromodichloromethane	ND		0.085
2-Chloroethyl Vinyl Ether	ND		0.42
(cis) 1,3-Dichloropropene	ND		0.085
Methyl Isobutyl Ketone	54		8.5
Toluene	ND		0.42
(trans) 1,3-Dichloropropene	ND		0.085

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Lab ID: 10-238-02
Client ID: NW Pipe-2.5-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.085
Tetrachloroethene	ND		0.085
1,3-Dichloropropane	ND		0.085
2-Hexanone	ND		0.42
Dibromochloromethane	ND		0.085
1,2-Dibromoethane	ND		0.085
Chlorobenzene	ND		0.085
1,1,1,2-Tetrachloroethane	ND		0.085
Ethylbenzene	7.6		0.085
m,p-Xylene	0.88		0.17
o-Xylene	ND		0.085
Styrene	ND		0.085
Bromoform	ND		0.085
Isopropylbenzene	ND		0.085
Bromobenzene	ND		0.085
1,1,2,2-Tetrachloroethane	ND		0.085
1,2,3-Trichloropropane	ND		0.085
n-Propylbenzene	0.091		0.085
2-Chlorotoluene	ND		0.085
4-Chlorotoluene	ND		0.085
1,3,5-Trimethylbenzene	ND		0.085
tert-Butylbenzene	ND		0.085
1,2,4-Trimethylbenzene	ND		0.085
sec-Butylbenzene	ND		0.085
1,3-Dichlorobenzene	ND		0.085
p-Isopropyltoluene	ND		0.085
1,4-Dichlorobenzene	ND		0.085
1,2-Dichlorobenzene	ND		0.085
n-Butylbenzene	ND		0.085
1,2-Dibromo-3-chloropropane	ND		0.42
1,2,4-Trichlorobenzene	ND		0.085
Hexachlorobutadiene	ND		0.42
Naphthalene	ND		0.085
1,2,3-Trichlorobenzene	ND		0.085

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	94	55-125
Toluene-d8	94	56-127
4-Bromofluorobenzene	87	54-130

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Date Extracted: 11-2&3-09
Date Analyzed: 11-2&3-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-238-03
Client ID: NW Pipe-5.0-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0061
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0061
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	0.12		0.0061
Iodomethane	ND		0.0061
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0061
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0061
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	0.025		0.0061
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0061
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	0.068		0.0061
Toluene	0.24		0.060
(trans) 1,3-Dichloropropene	ND		0.0012

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Lab ID: 10-238-03
Client ID: NW Pipe-5.0-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0061
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	0.031		0.0012
m,p-Xylene	0.080		0.0024
o-Xylene	0.0087		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	0.012		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	0.012		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	0.0018		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	0.0026		0.0012
sec-Butylbenzene	0.0085		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	0.011		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0061
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0061
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	96	55-125
Toluene-d8	94	56-127
4-Bromofluorobenzene	102	54-130

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Date Extracted: 11-2&3-09
Date Analyzed: 11-2&3-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-238-04
Client ID: NW Pipe-0.5-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0054
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0054
Trichlorofluoromethane	0.0060		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	0.83		0.32
Iodomethane	ND		0.0054
Carbon Disulfide	ND		0.0011
Methylene Chloride	ND		0.0054
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0054
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	0.047		0.0054
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0054
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	0.20		0.0054
Toluene	1.5		0.32
(trans) 1,3-Dichloropropene	ND		0.0011

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Lab ID: 10-238-04
Client ID: NW Pipe-0.5-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	0.0060		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0054
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	0.063		0.0011
m,p-Xylene	1.9		0.13
o-Xylene	0.57		0.064
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	0.011		0.0011
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	0.027		0.0011
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	0.78		0.064
tert-Butylbenzene	0.0018		0.0011
1,2,4-Trimethylbenzene	1.4		0.064
sec-Butylbenzene	0.015		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	0.026		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	ND		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0054
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0054
Naphthalene	0.027		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	94	55-125
Toluene-d8	99	56-127
4-Bromofluorobenzene	124	54-130

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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted: 11-2-09
Date Analyzed: 11-2-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1102S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: MB1102S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	90	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	86	54-130

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and is intended only for the use of the individual or company to whom it is addressed.

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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted: 11-3-09
Date Analyzed: 11-3-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1103S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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METHOD BLANK QUALITY CONTROL
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Lab ID: MB1103S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	101	55-125
Toluene-d8	93	56-127
4-Bromofluorobenzene	84	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Date Extracted: 11-2-09
Date Analyzed: 11-2-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-228-01

Compound	Sample Amount	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	ND	0.0485/0.0464	0.0357	73	0.0334	72	70-130	
Benzene	ND	0.0485/0.0464	0.0381	78	0.0369	80	70-130	
Trichloroethene	ND	0.0485/0.0464	0.0399	82	0.0394	85	70-124	
Toluene	ND	0.0485/0.0464	0.0385	79	0.0401	86	70-130	
Chlorobenzene	ND	0.0485/0.0464	0.0449	92	0.0433	93	72-127	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	1	14	
Benzene	3	17	
Trichloroethene	4	13	
Toluene	8	16	
Chlorobenzene	1	15	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 11-3-09
Date Analyzed: 11-3-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1103S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0547	109	0.0566	113	70-130	
Benzene	0.0500	0.0478	96	0.0480	96	70-128	
Trichloroethene	0.0500	0.0503	101	0.0500	100	70-124	
Toluene	0.0500	0.0478	96	0.0471	94	73-123	
Chlorobenzene	0.0500	0.0533	107	0.0512	102	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	3	16	
Benzene	0	15	
Trichloroethene	1	14	
Toluene	1	14	
Chlorobenzene	4	13	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	10-30-09
Date Analyzed:	10-30-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	10-238-05
Client ID:	**Trip blank**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	0.34		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 10-238-05
Client ID: Trip blank

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	105	71-126
Toluene-d8	97	76-116
4-Bromofluorobenzene	84	70-123

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1030W2

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB1030W2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	99	71-126
Toluene-d8	95	76-116
4-Bromofluorobenzene	83	70-123

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB1030W2

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	10.0	10.6	106	10.8	108	70-130	
Benzene	10.0	10.9	109	11.3	113	70-130	
Trichloroethene	10.0	10.3	103	10.3	103	70-123	
Toluene	10.0	10.8	108	11.1	111	77-120	
Chlorobenzene	10.0	9.28	93	9.44	94	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	2	21	
Benzene	4	18	
Trichloroethene	0	18	
Toluene	3	17	
Chlorobenzene	2	18	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-238-01					
Client ID:	**NW Pipe-2.0-1009**					
Arsenic	**ND**	14	6010B	11-3-09	11-3-09	
Barium	**400**	34	6010B	11-3-09	11-4-09	
Cadmium	**ND**	0.68	6010B	11-3-09	11-3-09	
Chromium	**9.0**	0.68	6010B	11-3-09	11-3-09	
Lead	**28**	6.8	6010B	11-3-09	11-3-09	
Mercury	**ND**	0.34	7471A	11-4-09	11-4-09	
Selenium	**ND**	14	6010B	11-3-09	11-3-09	
Silver	**ND**	0.68	6010B	11-3-09	11-3-09	
Lab ID:	10-238-02					
Client ID:	**NW Pipe-2.5-1009**					
Arsenic	**ND**	15	6010B	11-3-09	11-3-09	
Barium	**1400**	37	6010B	11-3-09	11-4-09	
Cadmium	**ND**	0.73	6010B	11-3-09	11-3-09	
Chromium	**3.1**	0.73	6010B	11-3-09	11-3-09	
Lead	**ND**	7.3	6010B	11-3-09	11-3-09	
Mercury	**0.83**	0.37	7471A	11-4-09	11-4-09	
Selenium	**ND**	15	6010B	11-3-09	11-3-09	
Silver	**ND**	0.73	6010B	11-3-09	11-3-09	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-238-03					
Client ID:	**NW Pipe-5.0-1009**					
Arsenic	**ND**	11	6010B	11-3-09	11-3-09	
Barium	**24**	2.9	6010B	11-3-09	11-3-09	
Cadmium	**ND**	0.57	6010B	11-3-09	11-3-09	
Chromium	**9.0**	0.57	6010B	11-3-09	11-3-09	
Lead	**ND**	5.7	6010B	11-3-09	11-3-09	
Mercury	**ND**	0.29	7471A	11-4-09	11-4-09	
Selenium	**ND**	11	6010B	11-3-09	11-3-09	
Silver	**ND**	0.57	6010B	11-3-09	11-3-09	
Lab ID:	10-238-04					
Client ID:	**NW Pipe-0.5-1009**					
Arsenic	**ND**	11	6010B	11-3-09	11-3-09	
Barium	**44**	2.7	6010B	11-3-09	11-3-09	
Cadmium	**ND**	0.54	6010B	11-3-09	11-3-09	
Chromium	**22**	0.54	6010B	11-3-09	11-3-09	
Lead	**24**	5.4	6010B	11-3-09	11-3-09	
Mercury	**6.2**	2.7	7471A	11-4-09	11-4-09	
Selenium	**ND**	11	6010B	11-3-09	11-3-09	
Silver	**ND**	0.54	6010B	11-3-09	11-3-09	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 11-3&4-09
Date Analyzed: 11-3&4-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1103S3&MB1104S1

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Barium	6010B	**ND**	2.5
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Selenium	6010B	**ND**	10
Silver	6010B	**ND**	0.50

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 11-3&4-09
Date Analyzed: 11-3&4-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-238-03

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Barium	**20.9**	**23.0**	9	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**7.85**	**7.25**	8	0.50	
Lead	**ND**	**ND**	NA	5.0	
Mercury	**ND**	**ND**	NA	0.25	
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	0.50	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 11-3&4-09
Date Analyzed: 11-3&4-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-238-03

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**99.7**	100	**98.1**	98	2	
Barium	100	**119**	98	**121**	100	2	
Cadmium	50	**47.4**	95	**47.2**	94	1	
Chromium	100	**104**	97	**105**	97	0	
Lead	250	**216**	87	**219**	88	1	
Mercury	0.50	**0.520**	104	**0.515**	103	1	
Selenium	100	**95.7**	96	**94.0**	94	2	
Silver	25	**24.2**	97	**24.1**	96	0	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Lab Traveler: 0910-238
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-2.0-1009**					
Laboratory ID:	10-238-01					
Aroclor 1016	**ND**	0.27	EPA 8082	10-30-09	10-30-09	
Aroclor 1221	**ND**	0.27	EPA 8082	10-30-09	10-30-09	
Aroclor 1232	**ND**	0.27	EPA 8082	10-30-09	10-30-09	
Aroclor 1242	**ND**	0.27	EPA 8082	10-30-09	10-30-09	
Aroclor 1248	**ND**	0.27	EPA 8082	10-30-09	10-30-09	
Aroclor 1254	**ND**	0.27	EPA 8082	10-30-09	10-30-09	
Aroclor 1260	**ND**	0.27	EPA 8082	10-30-09	10-30-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*90*	*33-122*				
Client ID:	**NW Pipe-2.5-1009**					
Laboratory ID:	10-238-02					
Aroclor 1016	**ND**	0.074	EPA 8082	10-30-09	10-30-09	
Aroclor 1221	**ND**	0.074	EPA 8082	10-30-09	10-30-09	
Aroclor 1232	**ND**	0.074	EPA 8082	10-30-09	10-30-09	
Aroclor 1242	**ND**	0.074	EPA 8082	10-30-09	10-30-09	
Aroclor 1248	**ND**	0.074	EPA 8082	10-30-09	10-30-09	
Aroclor 1254	**ND**	0.074	EPA 8082	10-30-09	10-30-09	
Aroclor 1260	**0.69**	0.074	EPA 8082	10-30-09	10-30-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*84*	*33-122*				
Client ID:	**NW Pipe-5.0-1009**					
Laboratory ID:	10-238-03					
Aroclor 1016	**ND**	0.057	EPA 8082	10-30-09	10-30-09	
Aroclor 1221	**ND**	0.057	EPA 8082	10-30-09	10-30-09	
Aroclor 1232	**ND**	0.057	EPA 8082	10-30-09	10-30-09	
Aroclor 1242	**ND**	0.057	EPA 8082	10-30-09	10-30-09	
Aroclor 1248	**ND**	0.057	EPA 8082	10-30-09	10-30-09	
Aroclor 1254	**ND**	0.057	EPA 8082	10-30-09	10-30-09	
Aroclor 1260	**ND**	0.057	EPA 8082	10-30-09	10-30-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*84*	*33-122*				

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Lab Traveler: 0910-238
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-0.5-1009**					
Laboratory ID:	10-238-04					
Aroclor 1016	**ND**	0.054	EPA 8082	10-30-09	11-4-09	
Aroclor 1221	**ND**	0.054	EPA 8082	10-30-09	11-4-09	
Aroclor 1232	**ND**	0.054	EPA 8082	10-30-09	11-4-09	
Aroclor 1242	**ND**	0.054	EPA 8082	10-30-09	11-4-09	
Aroclor 1248	**ND**	0.054	EPA 8082	10-30-09	11-4-09	
Aroclor 1254	**ND**	0.054	EPA 8082	10-30-09	11-4-09	
Aroclor 1260	**0.16**	0.054	EPA 8082	10-30-09	11-4-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*68*	*33-122*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Lab Traveler: 0910-238
Project: 14697

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1030S1					
Aroclor 1016	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Aroclor 1221	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Aroclor 1232	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Aroclor 1242	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Aroclor 1248	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Aroclor 1254	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Aroclor 1260	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*95*	*33-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-237-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.480**	**0.458**	0.500	0.500	ND	**96**	**92**	24-125	5	18	
Surrogate:											
DCB						*94*	*95*	*33-122*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-238-01				
Client ID:	**NW Pipe-2.0-1009**				
TPH-Gas	**290**	8.7	10-30-09	10-30-09	Z1
Surrogate: Fluorobenzene	101%	53-126			
Lab ID:	10-238-02				
Client ID:	**NW Pipe-2.5-1009**				
TPH-Gas	**920**	22	10-30-09	11-2-09	Z1
Surrogate: Fluorobenzene	89%	53-126			
Lab ID:	10-238-03				
Client ID:	**NW Pipe-5.0-1009**				
TPH-Gas	**310**	7.0	10-30-09	10-30-09	Z
Surrogate: Fluorobenzene	100%	53-126			
Lab ID:	10-238-04				
Client ID:	**NW Pipe-0.5-1009**				
TPH-Gas	**380**	6.2	10-30-09	11-2-09	Z
Surrogate: Fluorobenzene	92%	53-126			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1030S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	100%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	10-228-01 **Original**	10-228-01 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	98%	100%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-238-01				
Client ID:	**NW Pipe-2.0-1009**				
Diesel Range	**ND**	600	10-31-09	11-1-09	Y,U1
Lube Oil	**1300**	68	10-31-09	11-1-09	Y
Surrogate: o-terphenyl	82%	50-150			
Lab ID:	10-238-02				
Client ID:	**NW Pipe-2.5-1009**				
Diesel Range	**ND**	1000	10-31-09	11-1-09	Y,U1
Lube Oil	**220**	73	10-31-09	11-1-09	Y
Surrogate: o-terphenyl	88%	50-150			
Lab ID:	10-238-03				
Client ID:	**NW Pipe-5.0-1009**				
Diesel Range	**ND**	73	10-31-09	11-1-09	Y,U1
Lube Oil Range	**ND**	57	10-31-09	11-1-09	Y
Surrogate: o-terphenyl	102%	50-150			
Lab ID:	10-238-04				
Client ID:	**NW Pipe-0.5-1009**				
Diesel Range	**ND**	180	10-31-09	11-1-09	Y,U1
Lube Oil	**280**	54	10-31-09	11-1-09	Y
Surrogate: o-terphenyl	63%	50-150			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	10-31-09
Date Analyzed:	11-1-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1031S1
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	99%
Flags:	Y

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-31-09
Date Analyzed: 11-1-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	10-238-03	10-238-03 DUP
Diesel Range:	**ND**	**ND**
PQL:	64	35
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	102%	89%
Flags:	Y,U1	Y,U1

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

% MOISTURE

Date Analyzed: 10-30-09

Client ID	Lab ID	% Moisture
NW Pipe-2.0-1009	10-238-01	26
NW Pipe-2.5-1009	10-238-02	32
NW Pipe-5.0-1009	10-238-03	13
NW Pipe-0.5-1009	10-238-04	8

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z - The sample chromatogram is similar to mineral spirits.

Z1 - The sample chromatogram is similar to mineral spirits with GRO.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

CHAIN-OF-CUSTODY RECORD

SEA 10016

PROJECT NAME: Kelly-Moore			DATE: 10/29/09 PAGE 1 OF 1
PROJECT NUMBER: 14697	LABORATORY NAME: Onsite	CLIENT INFORMATION: AMEC GMX	REPORTING REQUIREMENTS:
RESULTS TO: Tasya Gray	LABORATORY ADDRESS:	600 University St	10-238
TURNAROUND TIME: Standard		STE 1020	
SAMPLE SHIPMENT METHOD: lab pick-up	LABORATORY CONTACT: Dana Baumeister	Seattle WA 98101	GEOTRACKER REQUIRED YES NO
	LABORATORY PHONE NUMBER: 425 883 3881		SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE):

ANALYSES

	DATE	TIME	SAMPLE NUMBER	SVOCs (8270)	VOCs (8260)	Lead & metals	PCBs	TPH-Gx	TPH-Dx	% Moisture	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
1	10/29/09	810	NW Pipe-2.0-1009	/	/	/	/	/	/	X	8oz jar + VOA	S	Y	None	Y	N	7	
2		820	NW Pipe-2.5-1009	/	/	/	/	/	/			S	Y		Y	N	7	
3		825	NW Pipe-5.0-1009	/	/	/	/	/	/			S	Y		Y	N	7	
4	↓	855	NW Pipe-0.5-1009	/	/	/	/	/	/	↓	↓	S	Y	↓	Y	N	7	
5	—	—	Trip Blank		/						VOA	W	N	HCl	Y	N	2	

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE:	10/29/09	1400	SIGNATURE:	10/29/09	1400
PRINTED NAME: Abby Bazin			PRINTED NAME:		
COMPANY: AMEC GMX			COMPANY: Speedy		
SIGNATURE: Van	10/29/09	1400	SIGNATURE:	10/29/09	1400
PRINTED NAME:			PRINTED NAME: MVOLN		
COMPANY: Speedy			COMPANY: OSE		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		

TOTAL NUMBER OF CONTAINERS:

SAMPLING COMMENTS: Acid wash/Silica gel cleanup for TPH-Dx

One Union Square, 600 University Street, Suite 1020
Seattle, Washington 98101-4107
Tel 206.342.1760 Fax 206.342.1761

Geomatrix

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 10, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0910-238B

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on October 29, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,



David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 10, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238B
Project: 14697

Case Narrative

Samples were collected on October 29, 2009, and received by the laboratory on October 29, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 10, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238B
Project: 14697

TCLP METALS
EPA 1311/6010B/7470A

Matrix: TCLP Extract
Units: mg/L (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-238-01					
Client ID:	**NWPipe-2.0-1009**					
Lead	**ND**	0.20	6010B	11-9-09	11-10-09	
Lab ID:	10-238-02					
Client ID:	**NWPipe-2.5-1009**					
Barium	**0.89**	0.20	6010B	11-9-09	11-10-09	
Mercury	**ND**	0.0050	7470A	11-9-09	11-9-09	
Lab ID:	10-238-04					
Client ID:	**NWPipe-0.5-1009**					
Chromium	**ND**	0.020	6010B	11-9-09	11-9-09	
Lead	**ND**	0.20	6010B	11-9-09	11-9-09	
Mercury	**ND**	0.0050	7470A	11-9-09	11-9-09	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 10, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238B
Project: 14697

TCLP METALS
EPA 1311/6010B/7470A
METHOD BLANK QUALITY CONTROL

Date Prepared:	11-6-09
Date Extracted:	11-9-09
Date Analyzed:	11-9-09
Matrix:	TCLP Extract
Units:	mg/L (ppm)
Lab ID:	MB1109T1&MB1109T2

Analyte	Method	Result	PQL
Barium	6010B	**ND**	0.20
Chromium	6010B	**ND**	0.020
Lead	6010B	**ND**	0.20
Mercury	7470A	**ND**	0.0050

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 10, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238B
Project: 14697

TCLP METALS
EPA 1311/6010B/7470A
DUPLICATE QUALITY CONTROL

Date Prepared: 11-6-09
Date Extracted: 11-9-09
Date Analyzed: 11-9-09

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 10-238-04

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Barium	**0.578**	**0.574**	1	0.20	
Chromium	**ND**	**ND**	NA	0.020	
Lead	**ND**	**ND**	NA	0.20	
Mercury	**ND**	**ND**	NA	0.0050	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 10, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238B
Project: 14697

TCLP METALS
EPA 1311/6010B/7470A
MS/MSD QUALITY CONTROL

Date Prepared: 11-6-09
Date Extracted: 11-9-09
Date Analyzed: 11-9-09

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 10-238-04

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Barium	4.0	**4.85**	107	**4.59**	100	6	
Chromium	4.0	**4.68**	117	**4.42**	111	6	
Lead	10	**11.4**	114	**10.8**	108	5	
Mercury	0.025	**0.0231**	92	**0.0245**	98	6	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z - The sample chromatogram is similar to mineral spirits.

Z1 - The sample chromatogram is similar to mineral spirits with GRO.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

CHAIN-OF-CUSTODY RECORD

SEA 10016

PROJECT NAME: Kelly-Moore			DATE: 10/29/09 PAGE 1 OF 1
PROJECT NUMBER: 14697	LABORATORY NAME: Onsite	CLIENT INFORMATION: AMEC GMX	REPORTING REQUIREMENTS:
RESULTS TO: Tasya Gray	LABORATORY ADDRESS:	600 University St	10-238
TURNAROUND TIME: Standard		STE 1020	
SAMPLE SHIPMENT METHOD: lab pick-up	LABORATORY CONTACT: Paul Baumeister	Seattle WA 98101	GEOTRACKER REQUIRED YES NO
	LABORATORY PHONE NUMBER: 425 883 3881		SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE):

ANALYSES

	DATE	TIME	SAMPLE NUMBER	SVOCs (8270)	VOCs (8260)	Izpra 8 metals	PCBs	TPH-Gx	TPH-Dx	TCLP Hg	TCLP Pb	TCLP Cr	TCLP Ba				90 MS/MSD	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
1	10/29/09	810	NW Pipe-2.0-1009	/	/	/	/	/	/		⊗						X	8oz jar + VOA	S	1	None	4	2	7	
2		820	NW Pipe-2.5-1009	/	/	/	/	/	/	⊗			⊗						S	1		4	2	7	
3		825	NW Pipe-5.0-1009	/	/	/	/	/	/										S	1		4	2	7	
4	↓	855	NW Pipe-0.5-1009	/	/	/	/	/	/	⊗	⊗	⊗					↓	↓	S	1	↓	4	2	7	
5	—	—	Trip blank		/													VOA	W	N	HCl	4	2	2	

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE:			SIGNATURE: Van		
PRINTED NAME: Abby Bazin	10/29/09	1400	PRINTED NAME:	10/29/09	1400
COMPANY: AMEC GMX			COMPANY: Speedy		
SIGNATURE: Van			SIGNATURE:		
PRINTED NAME:	10/29/09	1400	PRINTED NAME: MVOU	10/29/30	1400
COMPANY: Speedy			COMPANY: OSE		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		

TOTAL NUMBER OF CONTAINERS:

SAMPLING COMMENTS: Acid wash/Silica gel cleanup for TPH-Dx

⊗ Added 11/6/09. DB (2 day TAT)

One Union Square, 600 University Street, Suite 1020
Seattle, Washington 98101-4107
Tel 206.342.1760 Fax 206.342.1761

Geomatrix

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 25, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0911-103

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on November 13, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

Case Narrative

Samples were collected on November 13, 2009, and received by the laboratory on November 13, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Volatiles EPA 8260B Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Some MTCA Method A cleanup levels are non-achievable for samples TP4-8-1109 and Product-W2b Wall-1109 due to the necessary dilution of the samples.

Internal Standard 1,4-Dichlorobenzene-d4 does not meet acceptance criteria for sample TP4-1-1109 due to sample matrix effects. The sample was re-analyzed with similar results. All results, including Practical Quantitation Limits, from Bromobenzene onward should be considered estimates.

Please note any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	11-103-01				
Client ID:	**TP4-8-1109**				
TPH-Gas	**970**	11	11-18-09	11-18-09	Z
Surrogate: Fluorobenzene	102%	53-126			
Lab ID:	11-103-02				
Client ID:	**Product-W2b Wall-1109**				
TPH-Gas	**760**	110	11-18-09	11-19-09	Z
Surrogate: Fluorobenzene	96%	53-126			
Lab ID:	11-103-03				
Client ID:	**Product-W1b Wall-1109**				
TPH-Gas	**120**	12	11-18-09	11-19-09	Z
Surrogate: Fluorobenzene	100%	53-126			
Lab ID:	11-103-05				
Client ID:	**TP4-1-1109**				
TPH-Gas	**ND**	8.3	11-18-09	11-18-09	
Surrogate: Fluorobenzene	98%	53-126			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted:	11-18-09
Date Analyzed:	11-18-09
Matrix: Soil	
Units: mg/kg (ppm)	
Lab ID:	MB1118S2

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	91%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 11-18-09
Date Analyzed: 11-18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	11-117-15 **Original**	11-117-15 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	107%	110%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	11-103-01				
Client ID:	**TP4-8-1109**				
Diesel Range	**ND**	54	11-20-09	11-20-09	Y,U1
Lube Oil Range	**ND**	55	11-20-09	11-20-09	Y
Surrogate: o-terphenyl	71%	50-150			
Lab ID:	11-103-02				
Client ID:	**Product-W2b Wall-1109**				
Diesel Range	**ND**	97	11-20-09	11-20-09	Y,U1
Lube Oil Range	**ND**	54	11-20-09	11-20-09	Y
Surrogate: o-terphenyl	84%	50-150			
Lab ID:	11-103-03				
Client ID:	**Product-W1b Wall-1109**				
Diesel Range	**ND**	28	11-20-09	11-20-09	Y
Lube Oil Range	**ND**	56	11-20-09	11-20-09	Y
Surrogate: o-terphenyl	86%	50-150			
Lab ID:	11-103-05				
Client ID:	**TP4-1-1109**				
Diesel Range	**ND**	34	11-20-09	11-20-09	Y
Lube Oil Range	**ND**	68	11-20-09	11-20-09	Y
Surrogate: o-terphenyl	77%	50-150			

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Samples Submitted: November 13, 2009
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NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	11-20-09
Date Analyzed:	11-20-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1120S1
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	85%
Flags:	Y

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Date of Report: November 25, 2009
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NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	11-20-09
Date Analyzed:	11-20-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	11-132-01	11-132-01 DUP
Diesel Range:	**ND**	**ND**
PQL:	25	25
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	71%	76%
Flags:	Y	Y

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Date Extracted: 11-16-09
Date Analyzed: 11-16&17-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-103-01
Client ID: TP4-8-1109

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.056
Chloromethane	ND		0.28
Vinyl Chloride	ND		0.056
Bromomethane	ND		0.056
Chloroethane	ND		0.28
Trichlorofluoromethane	ND		0.056
1,1-Dichloroethene	ND		0.056
Acetone	ND		0.28
Iodomethane	ND		0.28
Carbon Disulfide	ND		0.056
Methylene Chloride	ND		0.28
(trans) 1,2-Dichloroethene	ND		0.056
Methyl t-Butyl Ether	ND		0.056
1,1-Dichloroethane	ND		0.056
Vinyl Acetate	ND		0.28
2,2-Dichloropropane	ND		0.056
(cis) 1,2-Dichloroethene	ND		0.056
2-Butanone	ND		0.28
Bromochloromethane	ND		0.056
Chloroform	ND		0.056
1,1,1-Trichloroethane	ND		0.056
Carbon Tetrachloride	ND		0.056
1,1-Dichloropropene	ND		0.056
Benzene	ND		0.056
1,2-Dichloroethane	ND		0.056
Trichloroethene	ND		0.056
1,2-Dichloropropane	ND		0.056
Dibromomethane	ND		0.056
Bromodichloromethane	ND		0.056
2-Chloroethyl Vinyl Ether	ND		0.28
(cis) 1,3-Dichloropropene	ND		0.056
Methyl Isobutyl Ketone	ND		0.28
Toluene	ND		0.28
(trans) 1,3-Dichloropropene	ND		0.056

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Lab ID: 11-103-01
Client ID: TP4-8-1109

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.056
Tetrachloroethene	ND		0.056
1,3-Dichloropropane	ND		0.056
2-Hexanone	ND		0.28
Dibromochloromethane	ND		0.056
1,2-Dibromoethane	ND		0.056
Chlorobenzene	ND		0.056
1,1,1,2-Tetrachloroethane	ND		0.056
Ethylbenzene	4.2		1.1
m,p-Xylene	5.1		0.11
o-Xylene	0.32		0.056
Styrene	ND		0.056
Bromoform	ND		0.056
Isopropylbenzene	0.68		0.056
Bromobenzene	ND		0.056
1,1,2,2-Tetrachloroethane	ND		0.056
1,2,3-Trichloropropane	ND		0.056
n-Propylbenzene	1.1		0.056
2-Chlorotoluene	ND		0.056
4-Chlorotoluene	ND		0.056
1,3,5-Trimethylbenzene	0.45		0.056
tert-Butylbenzene	ND		0.056
1,2,4-Trimethylbenzene	1.0		0.056
sec-Butylbenzene	0.10		0.056
1,3-Dichlorobenzene	ND		0.056
p-Isopropyltoluene	0.097		0.056
1,4-Dichlorobenzene	ND		0.056
1,2-Dichlorobenzene	ND		0.056
n-Butylbenzene	ND		0.056
1,2-Dibromo-3-chloropropane	ND		0.28
1,2,4-Trichlorobenzene	ND		0.056
Hexachlorobutadiene	ND		0.28
Naphthalene	0.18		0.056
1,2,3-Trichlorobenzene	ND		0.056

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	105	55-125
Toluene-d8	98	56-127
4-Bromofluorobenzene	86	54-130

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Date Extracted: 11-16-09
Date Analyzed: 11-17-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-103-02
Client ID: Product-W2b Wall-1109

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.059
Chloromethane	ND		0.30
Vinyl Chloride	ND		0.059
Bromomethane	ND		0.059
Chloroethane	ND		0.30
Trichlorofluoromethane	ND		0.059
1,1-Dichloroethene	ND		0.059
Acetone	ND		0.30
Iodomethane	ND		0.30
Carbon Disulfide	ND		0.059
Methylene Chloride	ND		0.30
(trans) 1,2-Dichloroethene	ND		0.059
Methyl t-Butyl Ether	ND		0.059
1,1-Dichloroethane	ND		0.059
Vinyl Acetate	ND		0.30
2,2-Dichloropropane	ND		0.059
(cis) 1,2-Dichloroethene	ND		0.059
2-Butanone	ND		0.30
Bromochloromethane	ND		0.059
Chloroform	ND		0.059
1,1,1-Trichloroethane	ND		0.059
Carbon Tetrachloride	ND		0.059
1,1-Dichloropropene	ND		0.059
Benzene	ND		0.059
1,2-Dichloroethane	ND		0.059
Trichloroethene	ND		0.059
1,2-Dichloropropane	ND		0.059
Dibromomethane	ND		0.059
Bromodichloromethane	ND		0.059
2-Chloroethyl Vinyl Ether	ND		0.30
(cis) 1,3-Dichloropropene	ND		0.059
Methyl Isobutyl Ketone	ND		0.30
Toluene	0.47		0.30
(trans) 1,3-Dichloropropene	ND		0.059

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Lab ID: 11-103-02
Client ID: Product-W2b Wall-1109

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.059
Tetrachloroethene	ND		0.059
1,3-Dichloropropane	ND		0.059
2-Hexanone	ND		0.30
Dibromochloromethane	ND		0.059
1,2-Dibromoethane	ND		0.059
Chlorobenzene	ND		0.059
1,1,1,2-Tetrachloroethane	ND		0.059
Ethylbenzene	1.2		0.059
m,p-Xylene	2.1		0.12
o-Xylene	0.28		0.059
Styrene	ND		0.059
Bromoform	ND		0.059
Isopropylbenzene	0.44		0.059
Bromobenzene	ND		0.059
1,1,2,2-Tetrachloroethane	ND		0.059
1,2,3-Trichloropropane	ND		0.059
n-Propylbenzene	0.52		0.059
2-Chlorotoluene	ND		0.059
4-Chlorotoluene	ND		0.059
1,3,5-Trimethylbenzene	0.071		0.059
tert-Butylbenzene	ND		0.059
1,2,4-Trimethylbenzene	0.12		0.059
sec-Butylbenzene	0.093		0.059
1,3-Dichlorobenzene	ND		0.059
p-Isopropyltoluene	ND		0.059
1,4-Dichlorobenzene	ND		0.059
1,2-Dichlorobenzene	ND		0.059
n-Butylbenzene	0.087		0.059
1,2-Dibromo-3-chloropropane	ND		0.30
1,2,4-Trichlorobenzene	ND		0.059
Hexachlorobutadiene	ND		0.30
Naphthalene	ND		0.059
1,2,3-Trichlorobenzene	ND		0.059

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	107	55-125
Toluene-d8	100	56-127
4-Bromofluorobenzene	109	54-130

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Date Extracted: 11-16-09
Date Analyzed: 11-16-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-103-03
Client ID: Product-W1b Wall-1109

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0057
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0057
Trichlorofluoromethane	ND		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	0.21		0.0057
Iodomethane	ND		0.0057
Carbon Disulfide	ND		0.0011
Methylene Chloride	ND		0.0057
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0057
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	0.033		0.0057
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0057
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	ND		0.0057
Toluene	ND		0.0057
(trans) 1,3-Dichloropropene	ND		0.0011

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Lab ID: 11-103-03
Client ID: Product-W1b Wall-1109

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	ND		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0057
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	0.67		0.063
m,p-Xylene	0.018		0.0023
o-Xylene	ND		0.0011
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	0.19		0.063
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	0.33		0.063
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	0.018		0.0011
tert-Butylbenzene	0.0043		0.0011
1,2,4-Trimethylbenzene	0.042		0.0011
sec-Butylbenzene	0.063		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	0.0072		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	0.038		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0057
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0057
Naphthalene	0.0030		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	105	55-125
Toluene-d8	94	56-127
4-Bromofluorobenzene	82	54-130

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Date Extracted: 11-16-09
Date Analyzed: 11-16-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-103-05
Client ID: TP4-1-1109

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0027
Chloromethane	ND		0.013
Vinyl Chloride	ND		0.0027
Bromomethane	ND		0.0027
Chloroethane	ND		0.013
Trichlorofluoromethane	ND		0.0027
1,1-Dichloroethene	ND		0.0027
Acetone	ND		0.013
Iodomethane	ND		0.013
Carbon Disulfide	ND		0.0027
Methylene Chloride	ND		0.013
(trans) 1,2-Dichloroethene	ND		0.0027
Methyl t-Butyl Ether	ND		0.0027
1,1-Dichloroethane	ND		0.0027
Vinyl Acetate	ND		0.013
2,2-Dichloropropane	ND		0.0027
(cis) 1,2-Dichloroethene	ND		0.0027
2-Butanone	ND		0.013
Bromochloromethane	ND		0.0027
Chloroform	ND		0.0027
1,1,1-Trichloroethane	ND		0.0027
Carbon Tetrachloride	ND		0.0027
1,1-Dichloropropene	ND		0.0027
Benzene	ND		0.0027
1,2-Dichloroethane	ND		0.0027
Trichloroethene	ND		0.0027
1,2-Dichloropropane	ND		0.0027
Dibromomethane	ND		0.0027
Bromodichloromethane	ND		0.0027
2-Chloroethyl Vinyl Ether	ND		0.013
(cis) 1,3-Dichloropropene	ND		0.0027
Methyl Isobutyl Ketone	ND		0.013
Toluene	ND		0.013
(trans) 1,3-Dichloropropene	ND		0.0027

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Lab ID: 11-103-05
Client ID: TP4-1-1109

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0027
Tetrachloroethene	ND		0.0027
1,3-Dichloropropane	ND		0.0027
2-Hexanone	ND		0.013
Dibromochloromethane	ND		0.0027
1,2-Dibromoethane	ND		0.0027
Chlorobenzene	ND		0.0027
1,1,1,2-Tetrachloroethane	ND		0.0027
Ethylbenzene	0.0074		0.0027
m,p-Xylene	0.014		0.0053
o-Xylene	ND		0.0027
Styrene	ND		0.0027
Bromoform	ND		0.0027
Isopropylbenzene	ND		0.0027
Bromobenzene	ND		0.0027
1,1,2,2-Tetrachloroethane	ND		0.0027
1,2,3-Trichloropropane	ND		0.0027
n-Propylbenzene	ND		0.0027
2-Chlorotoluene	ND		0.0027
4-Chlorotoluene	ND		0.0027
1,3,5-Trimethylbenzene	ND		0.0027
tert-Butylbenzene	ND		0.0027
1,2,4-Trimethylbenzene	ND		0.0027
sec-Butylbenzene	ND		0.0027
1,3-Dichlorobenzene	ND		0.0027
p-Isopropyltoluene	ND		0.0027
1,4-Dichlorobenzene	ND		0.0027
1,2-Dichlorobenzene	ND		0.0027
n-Butylbenzene	ND		0.0027
1,2-Dibromo-3-chloropropane	ND		0.013
1,2,4-Trichlorobenzene	ND		0.0027
Hexachlorobutadiene	ND		0.013
Naphthalene	ND		0.0027
1,2,3-Trichlorobenzene	ND		0.0027

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	104	55-125
Toluene-d8	100	56-127
4-Bromofluorobenzene	78	54-130

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METHOD BLANK QUALITY CONTROL
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Date Extracted: 11-16-09
Date Analyzed: 11-16-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1116S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: MB1116S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	110	55-125
Toluene-d8	99	56-127
4-Bromofluorobenzene	89	54-130

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Laboratory Reference: 0911-103
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 11-16-09
Date Analyzed: 11-16-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1116S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits
1,1-Dichloroethene	0.0500	0.0570	114	0.0592	118	70-130
Benzene	0.0500	0.0514	103	0.0508	102	70-128
Trichloroethene	0.0500	0.0508	102	0.0513	103	70-124
Toluene	0.0500	0.0485	97	0.0476	95	73-123
Chlorobenzene	0.0500	0.0461	92	0.0463	93	73-115

	RPD	RPD Limit	Flags
1,1-Dichloroethene	4	16	
Benzene	1	15	
Trichloroethene	1	14	
Toluene	2	14	
Chlorobenzene	0	13	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 11-16-09
Date Analyzed: 11-16-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 11-103-06
Client ID: Trip Blank

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	0.20		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

VOLATILES by EPA 8260B
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Lab ID: 11-103-06
Client ID: Trip Blank

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	87	71-126
Toluene-d8	91	76-116
4-Bromofluorobenzene	87	70-123

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
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Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted: 11-16-09
Date Analyzed: 11-16-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1116W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB1116W1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	91	71-126
Toluene-d8	90	76-116
4-Bromofluorobenzene	90	70-123

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 11-16-09
Date Analyzed: 11-16-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB1116W1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits
1,1-Dichloroethene	10.0	10.6	106	10.9	109	70-130
Benzene	10.0	9.85	99	10.1	101	70-130
Trichloroethene	10.0	9.98	100	9.97	100	70-123
Toluene	10.0	9.83	98	9.81	98	77-120
Chlorobenzene	10.0	10.3	103	10.1	101	73-115

	RPD	RPD Limit	Flags
1,1-Dichloroethene	3	21	
Benzene	3	18	
Trichloroethene	0	18	
Toluene	0	17	
Chlorobenzene	2	18	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TP4-8-1109**					
Laboratory ID:	11-103-01					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Pyridine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Phenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Aniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Hexachloroethane	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Nitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Isophorone	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Naphthalene	**0.091**	0.037	EPA 8270	11-20-09	11-20-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Methylnaphthalene	**0.040**	0.037	EPA 8270	11-20-09	11-20-09	
1-Methylnaphthalene	**0.018**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Acenaphthylene	**ND**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	

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Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TP4-8-1109**					
Laboratory ID:	11-103-01					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	11-20-09	11-20-09	
Acenaphthene	**ND**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Dibenzofuran	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Diethylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Fluorene	**0.0093**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	11-20-09	11-20-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Pentachlorophenol	**ND**	0.18	EPA 8270	11-20-09	11-20-09	
Phenanthrene	**0.054**	0.037	EPA 8270	11-20-09	11-20-09	
Anthracene	**0.0084**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Carbazole	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Fluoranthene	**0.046**	0.037	EPA 8270	11-20-09	11-20-09	
Benzidine	**ND**	0.37	EPA 8270	11-20-09	11-20-09	
Pyrene	**0.052**	0.037	EPA 8270	11-20-09	11-20-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	11-20-09	11-20-09	
Benzo[a]anthracene	**0.017**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Chrysene	**0.020**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Benzo[b]fluoranthene	**0.016**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[k]fluoranthene	**0.013**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[a]pyrene	**0.013**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Indeno[1,2,3-cd]pyrene	**0.0099**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Dibenz[a,h]anthracene	**ND**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[g,h,i]perylene	**0.012**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorophenol	***68***	***19 - 97***				
Phenol-d6	***71***	***22 - 108***				
Nitrobenzene-d5	***62***	***21 - 106***				
2-Fluorobiphenyl	***74***	***29 - 107***				
2,4,6-Tribromophenol	***85***	***44 - 121***				
Terphenyl-d14	***89***	***37 - 120***				

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-W2b Wall-1109**					
Laboratory ID:	11-103-02					
N-Nitrosodimethylamine	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Pyridine	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Phenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Aniline	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroethyl)ether	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2-Chlorophenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
1,3-Dichlorobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
1,4-Dichlorobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Benzyl alcohol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
1,2-Dichlorobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Hexachloroethane	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Nitrobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Isophorone	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2-Nitrophenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,4-Dimethylphenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,4-Dichlorophenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
1,2,4-Trichlorobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Naphthalene	**0.014**	0.0072	EPA 8270/SIM	11-20-09	11-23-09	
4-Chloroaniline	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Hexachlorobutadiene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
4-Chloro-3-methylphenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2-Methylnaphthalene	**0.011**	0.0072	EPA 8270/SIM	11-20-09	11-23-09	
1-Methylnaphthalene	**0.0085**	0.0072	EPA 8270/SIM	11-20-09	11-23-09	
Hexachlorocyclopentadiene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,4,6-Trichlorophenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,3-Dichloroaniline	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,4,5-Trichlorophenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2-Chloronaphthalene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2-Nitroaniline	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
1,4-Dinitrobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Dimethylphthalate	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
1,3-Dinitrobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,6-Dinitrotoluene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
1,2-Dinitrobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Acenaphthylene	**ND**	0.0072	EPA 8270/SIM	11-20-09	11-23-09	
3-Nitroaniline	**ND**	0.036	EPA 8270	11-20-09	11-23-09	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-W2b Wall-1109**					
Laboratory ID:	11-103-02					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	11-20-09	11-23-09	
Acenaphthene	**ND**	0.0072	EPA 8270/SIM	11-20-09	11-23-09	
4-Nitrophenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,4-Dinitrotoluene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Dibenzofuran	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Diethylphthalate	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
4-Chlorophenyl-phenylether	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
4-Nitroaniline	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Fluorene	**0.0076**	0.0072	EPA 8270/SIM	11-20-09	11-23-09	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	11-20-09	11-23-09	
N-Nitrosodiphenylamine	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
1,2-Diphenylhydrazine	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
4-Bromophenyl-phenylether	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Hexachlorobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Pentachlorophenol	**ND**	0.18	EPA 8270	11-20-09	11-23-09	
Phenanthrene	**0.049**	0.036	EPA 8270	11-20-09	11-23-09	
Anthracene	**0.014**	0.0072	EPA 8270/SIM	11-20-09	11-23-09	
Carbazole	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Di-n-butylphthalate	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Fluoranthene	**0.11**	0.036	EPA 8270	11-20-09	11-23-09	
Benzidine	**ND**	0.36	EPA 8270	11-20-09	11-23-09	
Pyrene	**0.14**	0.036	EPA 8270	11-20-09	11-23-09	
Butylbenzylphthalate	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
bis-2-Ethylhexyladipate	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
3,3'-Dichlorobenzidine	**ND**	0.36	EPA 8270	11-20-09	11-23-09	
Benzo[a]anthracene	**0.043**	0.036	EPA 8270	11-20-09	11-23-09	
Chrysene	**0.054**	0.036	EPA 8270	11-20-09	11-23-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Di-n-octylphthalate	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Benzo[b]fluoranthene	**0.044**	0.036	EPA 8270	11-20-09	11-23-09	
Benzo[k]fluoranthene	**0.043**	0.036	EPA 8270	11-20-09	11-23-09	
Benzo[a]pyrene	**0.058**	0.036	EPA 8270	11-20-09	11-23-09	
Indeno[1,2,3-cd]pyrene	**0.040**	0.036	EPA 8270	11-20-09	11-23-09	
Dibenz[a,h]anthracene	**0.0083**	0.0072	EPA 8270/SIM	11-20-09	11-23-09	
Benzo[g,h,i]perylene	**0.049**	0.036	EPA 8270	11-20-09	11-23-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorophenol	***64***	***19 - 97***				
Phenol-d6	***71***	***22 - 108***				
Nitrobenzene-d5	***66***	***21 - 106***				
2-Fluorobiphenyl	***75***	***29 - 107***				
2,4,6-Tribromophenol	***92***	***44 - 121***				
Terphenyl-d14	***99***	***37 - 120***				

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-W1b Wall-1109**					
Laboratory ID:	11-103-03					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Pyridine	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Phenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Aniline	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Hexachloroethane	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Nitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Isophorone	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Naphthalene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2-Methylnaphthalene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
1-Methylnaphthalene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Acenaphthylene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-23-09	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-W1b Wall-1109**					
Laboratory ID:	11-103-03					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	11-20-09	11-23-09	
Acenaphthene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Dibenzofuran	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Diethylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Fluorene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	11-20-09	11-23-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	11-20-09	11-23-09	
Phenanthrene	**0.012**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Anthracene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Carbazole	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Fluoranthene	**0.0098**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Benzidine	**ND**	0.37	EPA 8270	11-20-09	11-23-09	
Pyrene	**0.011**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	11-20-09	11-23-09	
Benzo[a]anthracene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Chrysene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Benzo[b]fluoranthene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Benzo[k]fluoranthene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Benzo[a]pyrene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Dibenz[a,h]anthracene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Benzo[g,h,i]perylene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorophenol	***67***	***19 - 97***				
Phenol-d6	***77***	***22 - 108***				
Nitrobenzene-d5	***63***	***21 - 106***				
2-Fluorobiphenyl	***76***	***29 - 107***				
2,4,6-Tribromophenol	***85***	***44 - 121***				
Terphenyl-d14	***92***	***37 - 120***				

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Date of Report: November 25, 2009
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Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 4-B2-1109**					
Laboratory ID:	11-103-04					
N-Nitrosodimethylamine	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Pyridine	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Phenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Aniline	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroethyl)ether	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2-Chlorophenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
1,3-Dichlorobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
1,4-Dichlorobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Benzyl alcohol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
1,2-Dichlorobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Hexachloroethane	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Nitrobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Isophorone	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2-Nitrophenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,4-Dimethylphenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,4-Dichlorophenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
1,2,4-Trichlorobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Naphthalene	**ND**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
4-Chloroaniline	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Hexachlorobutadiene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
4-Chloro-3-methylphenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2-Methylnaphthalene	**ND**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
1-Methylnaphthalene	**ND**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
Hexachlorocyclopentadiene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,4,6-Trichlorophenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,3-Dichloroaniline	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,4,5-Trichlorophenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2-Chloronaphthalene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2-Nitroaniline	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
1,4-Dinitrobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Dimethylphthalate	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
1,3-Dinitrobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,6-Dinitrotoluene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
1,2-Dinitrobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Acenaphthylene	**ND**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
3-Nitroaniline	**ND**	0.040	EPA 8270	11-20-09	11-23-09	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 4-B2-1109**					
Laboratory ID:	11-103-04					
2,4-Dinitrophenol	**ND**	0.20	EPA 8270	11-20-09	11-23-09	
Acenaphthene	**ND**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
4-Nitrophenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,4-Dinitrotoluene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Dibenzofuran	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Diethylphthalate	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
4-Chlorophenyl-phenylether	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
4-Nitroaniline	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Fluorene	**ND**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
4,6-Dinitro-2-methylphenol	**ND**	0.20	EPA 8270	11-20-09	11-23-09	
N-Nitrosodiphenylamine	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
1,2-Diphenylhydrazine	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
4-Bromophenyl-phenylether	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Hexachlorobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Pentachlorophenol	**ND**	0.20	EPA 8270	11-20-09	11-23-09	
Phenanthrene	**0.011**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
Anthracene	**ND**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
Carbazole	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Di-n-butylphthalate	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Fluoranthene	**0.049**	0.040	EPA 8270	11-20-09	11-23-09	
Benzidine	**ND**	0.40	EPA 8270	11-20-09	11-23-09	
Pyrene	**0.056**	0.040	EPA 8270	11-20-09	11-23-09	
Butylbenzylphthalate	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
bis-2-Ethylhexyladipate	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
3,3'-Dichlorobenzidine	**ND**	0.40	EPA 8270	11-20-09	11-23-09	
Benzo[a]anthracene	**0.045**	0.040	EPA 8270	11-20-09	11-23-09	
Chrysene	**0.065**	0.040	EPA 8270	11-20-09	11-23-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Di-n-octylphthalate	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Benzo[b]fluoranthene	**0.076**	0.040	EPA 8270	11-20-09	11-23-09	
Benzo[k]fluoranthene	**0.057**	0.040	EPA 8270	11-20-09	11-23-09	
Benzo[a]pyrene	**0.054**	0.040	EPA 8270	11-20-09	11-23-09	
Indeno[1,2,3-cd]pyrene	**0.047**	0.040	EPA 8270	11-20-09	11-23-09	
Dibenz[a,h]anthracene	**0.012**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
Benzo[g,h,i]perylene	**0.055**	0.040	EPA 8270	11-20-09	11-23-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorophenol	***91***	***19 - 97***				
Phenol-d6	***90***	***22 - 108***				
Nitrobenzene-d5	***88***	***21 - 106***				
2-Fluorobiphenyl	***87***	***29 - 107***				
2,4,6-Tribromophenol	***91***	***44 - 121***				
Terphenyl-d14	***96***	***37 - 120***				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TP4-1-1109**					
Laboratory ID:	11-103-05					
N-Nitrosodimethylamine	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Pyridine	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Phenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Aniline	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroethyl)ether	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2-Chlorophenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
1,3-Dichlorobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
1,4-Dichlorobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Benzyl alcohol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
1,2-Dichlorobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Hexachloroethane	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Nitrobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Isophorone	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2-Nitrophenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,4-Dimethylphenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,4-Dichlorophenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
1,2,4-Trichlorobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Naphthalene	**ND**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
4-Chloroaniline	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Hexachlorobutadiene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
4-Chloro-3-methylphenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2-Methylnaphthalene	**ND**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
1-Methylnaphthalene	**ND**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
Hexachlorocyclopentadiene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,4,6-Trichlorophenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,3-Dichloroaniline	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,4,5-Trichlorophenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2-Chloronaphthalene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2-Nitroaniline	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
1,4-Dinitrobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Dimethylphthalate	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
1,3-Dinitrobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,6-Dinitrotoluene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
1,2-Dinitrobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Acenaphthylene	**ND**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
3-Nitroaniline	**ND**	0.046	EPA 8270	11-20-09	11-23-09	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TP4-1-1109**					
Laboratory ID:	11-103-05					
2,4-Dinitrophenol	**ND**	0.23	EPA 8270	11-20-09	11-23-09	
Acenaphthene	**ND**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
4-Nitrophenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,4-Dinitrotoluene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Dibenzofuran	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Diethylphthalate	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
4-Chlorophenyl-phenylether	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
4-Nitroaniline	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Fluorene	**ND**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
4,6-Dinitro-2-methylphenol	**ND**	0.23	EPA 8270	11-20-09	11-23-09	
N-Nitrosodiphenylamine	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
1,2-Diphenylhydrazine	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
4-Bromophenyl-phenylether	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Hexachlorobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Pentachlorophenol	**ND**	0.23	EPA 8270	11-20-09	11-23-09	
Phenanthrene	**0.024**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
Anthracene	**ND**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
Carbazole	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Di-n-butylphthalate	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Fluoranthene	**0.055**	0.046	EPA 8270	11-20-09	11-23-09	
Benzidine	**ND**	0.46	EPA 8270	11-20-09	11-23-09	
Pyrene	**0.058**	0.046	EPA 8270	11-20-09	11-23-09	
Butylbenzylphthalate	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
bis-2-Ethylhexyladipate	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
3,3'-Dichlorobenzidine	**ND**	0.46	EPA 8270	11-20-09	11-23-09	
Benzo[a]anthracene	**0.034**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
Chrysene	**0.050**	0.046	EPA 8270	11-20-09	11-23-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Di-n-octylphthalate	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Benzo[b]fluoranthene	**0.061**	0.046	EPA 8270	11-20-09	11-23-09	
Benzo[k]fluoranthene	**0.040**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
Benzo[a]pyrene	**0.055**	0.046	EPA 8270	11-20-09	11-23-09	
Indeno[1,2,3-cd]pyrene	**0.028**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
Dibenz[a,h]anthracene	**0.011**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
Benzo[g,h,i]perylene	**0.050**	0.046	EPA 8270	11-20-09	11-23-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorophenol	***71***	***19 - 97***				
Phenol-d6	***75***	***22 - 108***				
Nitrobenzene-d5	***74***	***21 - 106***				
2-Fluorobiphenyl	***77***	***29 - 107***				
2,4,6-Tribromophenol	***77***	***44 - 121***				
Terphenyl-d14	***90***	***37 - 120***				

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1120S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Pyridine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Phenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Aniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Hexachloroethane	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Nitrobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Isophorone	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1120S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	11-20-09	11-20-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Dibenzofuran	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Diethylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	11-20-09	11-20-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	11-20-09	11-20-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Carbazole	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Benzidine	**ND**	0.33	EPA 8270	11-20-09	11-20-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	11-20-09	11-20-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorophenol	***70***	***19 - 97***				
Phenol-d6	***74***	***22 - 108***				
Nitrobenzene-d5	***74***	***21 - 106***				
2-Fluorobiphenyl	***78***	***29 - 107***				
2,4,6-Tribromophenol	***93***	***44 - 121***				
Terphenyl-d14	***98***	***37 - 120***				

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
Laboratory ID:	11-132-01										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**0.946**	**1.03**	1.33	1.33	ND	71	77	38 - 97	9	30	
2-Chlorophenol	**0.937**	**1.00**	1.33	1.33	ND	70	75	28 - 102	7	38	
1,4-Dichlorobenzene	**0.350**	**0.391**	0.667	0.667	ND	52	59	14 - 84	11	41	
N-Nitroso-di-n-propylamine	**0.442**	**0.471**	0.667	0.667	ND	66	71	25 - 104	6	39	
1,2,4-Trichlorobenzene	**0.405**	**0.443**	0.667	0.667	ND	61	66	23 - 93	9	37	
4-Chloro-3-methylphenol	**1.03**	**1.11**	1.33	1.33	ND	77	83	49 - 113	7	31	
Acenaphthene	**0.449**	**0.496**	0.667	0.667	ND	67	74	37 - 101	10	40	
4-Nitrophenol	**1.02**	**1.10**	1.33	1.33	ND	77	83	30 - 136	8	31	
2,4-Dinitrotoluene	**0.482**	**0.508**	0.667	0.667	ND	72	76	36 - 122	5	32	
Pentachlorophenol	**1.19**	**1.21**	1.33	1.33	ND	89	91	15 - 143	2	34	
Pyrene	**0.569**	**0.811**	0.667	0.667	0.0663	75	112	24 - 138	35	39	
Surrogate:											
2-Fluorophenol						***72***	***77***	***19 - 97***			
Phenol-d6						***71***	***76***	***22 - 108***			
Nitrobenzene-d5						***71***	***76***	***21 - 106***			
2-Fluorobiphenyl						***73***	***79***	***29 - 107***			
2,4,6-Tribromophenol						***83***	***89***	***44 - 121***			
Terphenyl-d14						***86***	***92***	***37 - 120***			

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-103-01					
Client ID:	**TP4-8-1109**					
Arsenic	**ND**	11	6010B	11-20-09	11-20-09	
Cadmium	**ND**	0.55	6010B	11-20-09	11-20-09	
Chromium	**6.8**	0.55	6010B	11-20-09	11-20-09	
Copper	**8.1**	1.1	6010B	11-20-09	11-20-09	
Lead	**ND**	5.5	6010B	11-20-09	11-20-09	
Mercury	**ND**	0.28	7471A	11-20-09	11-20-09	
Nickel	**6.8**	2.8	6010B	11-20-09	11-20-09	
Zinc	**18**	2.8	6010B	11-20-09	11-20-09	
Lab ID:	11-103-02					
Client ID:	**Product-W2bWall-1109**					
Arsenic	**ND**	11	6010B	11-20-09	11-20-09	
Cadmium	**ND**	0.54	6010B	11-20-09	11-20-09	
Chromium	**9.4**	0.54	6010B	11-20-09	11-20-09	
Copper	**8.8**	1.1	6010B	11-20-09	11-20-09	
Lead	**ND**	5.4	6010B	11-20-09	11-20-09	
Mercury	**ND**	0.27	7471A	11-20-09	11-20-09	
Nickel	**9.3**	2.7	6010B	11-20-09	11-20-09	
Zinc	**17**	2.7	6010B	11-20-09	11-20-09	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-103-03					
Client ID:	**Product-W1bWall-1109**					
Arsenic	**ND**	11	6010B	11-20-09	11-20-09	
Cadmium	**ND**	0.56	6010B	11-20-09	11-20-09	
Chromium	**9.0**	0.56	6010B	11-20-09	11-20-09	
Copper	**7.2**	1.1	6010B	11-20-09	11-20-09	
Lead	**ND**	5.6	6010B	11-20-09	11-20-09	
Mercury	**ND**	0.28	7471A	11-20-09	11-20-09	
Nickel	**6.9**	2.8	6010B	11-20-09	11-20-09	
Zinc	**16**	2.8	6010B	11-20-09	11-20-09	
Lab ID:	11-103-05					
Client ID:	**TP4-1-1109**					
Arsenic	**ND**	14	6010B	11-20-09	11-20-09	
Cadmium	**ND**	0.68	6010B	11-20-09	11-20-09	
Chromium	**13**	0.68	6010B	11-20-09	11-20-09	
Copper	**110**	1.4	6010B	11-20-09	11-20-09	
Lead	**52**	6.8	6010B	11-20-09	11-20-09	
Mercury	**ND**	0.34	7471A	11-20-09	11-20-09	
Nickel	**25**	3.4	6010B	11-20-09	11-20-09	
Zinc	**67**	3.4	6010B	11-20-09	11-20-09	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 11-20-09
Date Analyzed: 11-20-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1120S1&MB1120S2

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Copper	6010B	**ND**	1.0
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Nickel	6010B	**ND**	2.5
Zinc	6010B	**ND**	2.5

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 11-20-09
Date Analyzed: 11-20-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-132-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**16.3**	**20.0**	20	0.50	
Copper	**13.2**	**12.3**	7	1.0	
Lead	**8.77**	**6.34**	32	5.0	C
Mercury	**ND**	**ND**	NA	0.25	
Nickel	**19.6**	**18.9**	4	2.5	
Zinc	**61.0**	**66.6**	9	2.5	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 11-20-09
Date Analyzed: 11-20-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-132-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**94.9**	95	**83.8**	84	12	
Cadmium	50	**48.2**	96	**42.8**	86	12	
Chromium	100	**114**	97	**102**	85	11	
Copper	50	**62.0**	98	**55.5**	85	11	
Lead	250	**238**	92	**211**	81	12	
Mercury	0.50	**0.491**	98	**0.487**	97	1	
Nickel	100	**116**	96	**105**	86	9	
Zinc	100	**153**	92	**144**	83	6	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

% MOISTURE

Date Analyzed: 11-16-09

Client ID	Lab ID	% Moisture
TP4-8-1109	11-103-01	9
Product-W2b Wall-1109	11-103-02	8
Product-W1b Wall-1109	11-103-03	11
Tank 4-B2-1109	11-103-04	16
TP4-1-1109	11-103-05	27

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z - The sample chromatogram is similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC Geomatrix
Project Number: 14697
Project Name: Kelly-Moore
Project Manager: Tasya Tway
Sampled by: Emerald Eidson

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Day ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 11-103

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	total Metals (As, Cd, Cu, Cr, Pb, Ni, Hg, Zn)	% Moisture
1	TP4-8-1109	11/13/09	925	Soil	6		/	/	/		/								/	X
2	Product-W2b Wall-1109	↓	1055	Soil	6		/	/	/		/								/	↓
3	Product-W1b Wall-1109		1110	Soil	6		/	/	/		/								/	
4	Tank 4-B2-1109		1120	Soil	6		/320	/320	/320		/								/320	
5	TP4-1-1109		1215	Soil	6		/	/	/		/								/	
6	Trip Blank	—	—	H_2O	2				/											

	Signature	Company	Date	Time
Relinquished by	Emerald Eidson	AMEC GMX	11/13/09	3:38
Received by		Speedy	11/13/09	3:38
Relinquished by		"	"	5:05
Received by			11/13/09	1715
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions:

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Client Copy

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 30, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697.000
Laboratory Reference No. 0911-132

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on November 18, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

Case Narrative

Samples were collected on November 17, 2009, and received by the laboratory on November 18, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx and Volatiles EPA 8260B Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	11-132-01				
Client ID:	**Pipe-C1-1109**				
TPH-Gas	**15**	6.1	11-18-09	11-19-09	
Surrogate: Fluorobenzene	106%	53-126			

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 11-18-09
Date Analyzed: 11-18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1118S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	89%		

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 11-18-09
Date Analyzed: 11-18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	11-117-04 **Original**	11-117-04 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	96%	98%		

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	11-132-01				
Client ID:	**Pipe-C1-1109**				
Diesel Range	**ND**	28	11-20-09	11-20-09	Y
Lube Oil Range	**ND**	56	11-20-09	11-20-09	Y
Surrogate: o-terphenyl	71%	50-150			

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	11-20-09
Date Analyzed:	11-20-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1120S1
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	85%
Flags:	Y

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	11-20-09
Date Analyzed:	11-20-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	11-132-01	11-132-01 DUP
Diesel Range:	**ND**	**ND**
PQL:	25	25
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	71%	76%
Flags:	Y	Y

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 11-19-09
Date Analyzed: 11-19-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-132-01
Client ID: Pipe-C1-1109

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0054
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0054
Trichlorofluoromethane	ND		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	0.036		0.0054
Iodomethane	ND		0.0054
Carbon Disulfide	0.0015		0.0011
Methylene Chloride	ND		0.0054
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0054
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	0.0060		0.0054
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0054
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	ND		0.0054
Toluene	ND		0.0054
(trans) 1,3-Dichloropropene	ND		0.0011

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 11-132-01
Client ID: Pipe-C1-1109

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	ND		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0054
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	ND		0.0011
m,p-Xylene	ND		0.0022
o-Xylene	ND		0.0011
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	ND		0.0011
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	ND		0.0011
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	ND		0.0011
tert-Butylbenzene	ND		0.0011
1,2,4-Trimethylbenzene	ND		0.0011
sec-Butylbenzene	ND		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	ND		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	ND		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0054
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0054
Naphthalene	ND		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	116	55-125
Toluene-d8	105	56-127
4-Bromofluorobenzene	91	54-130

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted: 11-19-09
Date Analyzed: 11-19-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1119S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB1119S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	118	55-125
Toluene-d8	110	56-127
4-Bromofluorobenzene	84	54-130

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 11-19-09
Date Analyzed: 11-19-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1119S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0579	116	0.0635	127	70-130	
Benzene	0.0500	0.0528	106	0.0568	114	70-128	
Trichloroethene	0.0500	0.0535	107	0.0555	111	70-124	
Toluene	0.0500	0.0511	102	0.0513	103	73-123	
Chlorobenzene	0.0500	0.0462	92	0.0482	96	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	9	16	
Benzene	7	15	
Trichloroethene	4	14	
Toluene	0	14	
Chlorobenzene	4	13	

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Pipe-C1-1109**					
Laboratory ID:	11-132-01					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Pyridine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Phenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Aniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Hexachloroethane	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Nitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Isophorone	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Naphthalene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Methylnaphthalene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
1-Methylnaphthalene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Acenaphthylene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Pipe-C1-1109**					
Laboratory ID:	11-132-01					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	11-20-09	11-20-09	
Acenaphthene	**0.010**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Dibenzofuran	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Diethylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Fluorene	**0.0093**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	11-20-09	11-20-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	11-20-09	11-20-09	
Phenanthrene	**0.041**	0.037	EPA 8270	11-20-09	11-20-09	
Anthracene	**0.021**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
Carbazole	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Fluoranthene	**0.082**	0.037	EPA 8270	11-20-09	11-20-09	
Benzidine	**ND**	0.37	EPA 8270	11-20-09	11-20-09	
Pyrene	**0.074**	0.037	EPA 8270	11-20-09	11-20-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	11-20-09	11-20-09	
Benzo[a]anthracene	**0.028**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
Chrysene	**0.044**	0.037	EPA 8270	11-20-09	11-20-09	
bis(2-Ethylhexyl)phthalate	**0.20**	0.037	EPA 8270	11-20-09	11-20-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Benzo[b]fluoranthene	**0.038**	0.037	EPA 8270	11-20-09	11-20-09	
Benzo[k]fluoranthene	**0.029**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[a]pyrene	**0.039**	0.037	EPA 8270	11-20-09	11-20-09	
Indeno[1,2,3-cd]pyrene	**0.029**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
Dibenz[a,h]anthracene	**0.010**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[g,h,i]perylene	**0.041**	0.037	EPA 8270	11-20-09	11-20-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*66*	*19 - 97*				
Phenol-d6	*71*	*22 - 108*				
Nitrobenzene-d5	*64*	*21 - 106*				
2-Fluorobiphenyl	*74*	*29 - 107*				
2,4,6-Tribromophenol	*83*	*44 - 121*				
Terphenyl-d14	*87*	*37 - 120*				

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1120S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Pyridine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Phenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Aniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Hexachloroethane	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Nitrobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Isophorone	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1120S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	11-20-09	11-20-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Dibenzofuran	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Diethylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	11-20-09	11-20-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	11-20-09	11-20-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Carbazole	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Benzidine	**ND**	0.33	EPA 8270	11-20-09	11-20-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	11-20-09	11-20-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*70*	*19 - 97*				
Phenol-d6	*74*	*22 - 108*				
Nitrobenzene-d5	*74*	*21 - 106*				
2-Fluorobiphenyl	*78*	*29 - 107*				
2,4,6-Tribromophenol	*93*	*44 - 121*				
Terphenyl-d14	*98*	*37 - 120*				

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	11-132-01										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**0.946**	**1.03**	1.33	1.33	ND	71	77	38 - 97	9	30	
2-Chlorophenol	**0.937**	**1.00**	1.33	1.33	ND	70	75	28 - 102	7	38	
1,4-Dichlorobenzene	**0.350**	**0.391**	0.667	0.667	ND	52	59	14 - 84	11	41	
N-Nitroso-di-n-propylamine	**0.442**	**0.471**	0.667	0.667	ND	66	71	25 - 104	6	39	
1,2,4-Trichlorobenzene	**0.405**	**0.443**	0.667	0.667	ND	61	66	23 - 93	9	37	
4-Chloro-3-methylphenol	**1.03**	**1.11**	1.33	1.33	ND	77	83	49 - 113	7	31	
Acenaphthene	**0.449**	**0.496**	0.667	0.667	ND	67	74	37 - 101	10	40	
4-Nitrophenol	**1.02**	**1.10**	1.33	1.33	ND	77	83	30 - 136	8	31	
2,4-Dinitrotoluene	**0.482**	**0.508**	0.667	0.667	ND	72	76	36 - 122	5	32	
Pentachlorophenol	**1.19**	**1.21**	1.33	1.33	ND	89	91	15 - 143	2	34	
Pyrene	**0.569**	**0.811**	0.667	0.667	0.0663	75	112	24 - 138	35	39	
Surrogate:											
2-Fluorophenol						*72*	*77*	*19 - 97*			
Phenol-d6						*71*	*76*	*22 - 108*			
Nitrobenzene-d5						*71*	*76*	*21 - 106*			
2-Fluorobiphenyl						*73*	*79*	*29 - 107*			
2,4,6-Tribromophenol						*83*	*89*	*44 - 121*			
Terphenyl-d14						*86*	*92*	*37 - 120*			

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-132-01					
Client ID:	**Pipe-C1-1109**					
Arsenic	**ND**	11	6010B	11-20-09	11-20-09	
Cadmium	**ND**	0.56	6010B	11-20-09	11-20-09	
Chromium	**18**	0.56	6010B	11-20-09	11-20-09	
Copper	**15**	1.1	6010B	11-20-09	11-20-09	
Lead	**9.8**	5.6	6010B	11-20-09	11-20-09	
Mercury	**ND**	0.28	7471A	11-20-09	11-20-09	
Nickel	**22**	2.8	6010B	11-20-09	11-20-09	
Zinc	**68**	2.8	6010B	11-20-09	11-20-09	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 11-20-09
Date Analyzed: 11-20-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1120S1&MB1120S2

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Copper	6010B	**ND**	1.0
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Nickel	6010B	**ND**	2.5
Zinc	6010B	**ND**	2.5

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 11-20-09
Date Analyzed: 11-20-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-132-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**16.3**	**20.0**	20	0.50	
Copper	**13.2**	**12.3**	7	1.0	
Lead	**8.77**	**6.34**	32	5.0	C
Mercury	**ND**	**ND**	NA	0.25	
Nickel	**19.6**	**18.9**	4	2.5	
Zinc	**61.0**	**66.6**	9	2.5	

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 11-20-09
Date Analyzed: 11-20-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-132-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**94.9**	95	**83.8**	84	12	
Cadmium	50	**48.2**	96	**42.8**	86	12	
Chromium	100	**114**	97	**102**	85	11	
Copper	50	**62.0**	98	**55.5**	85	11	
Lead	250	**238**	92	**211**	81	12	
Mercury	0.50	**0.491**	98	**0.487**	97	1	
Nickel	100	**116**	96	**105**	86	9	
Zinc	100	**153**	92	**144**	83	6	

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

% MOISTURE

Date Analyzed: 11-19-09

Client ID	Lab ID	% Moisture
Pipe-C1-1109	11-132-01	11

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC Geomatrix
Project Number: 14697.000
Project Name: Kelly Moore Paint Co.
Project Manager: Tasya Gray
Sampled by: Emerald Einlesen

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Day ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 11-132

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	As, Cd, Cr, Pb, Ni, Zn						% Moisture
√	Pipe-CJ-1109	11/17/09	14:40	soil	6		X	X	X		X								X						X

	Signature	Company	Date	Time
Relinquished by		AMEC GMX	11/18/09	11:25Am
Received by		Speedy	11.18.09	1125am
Relinquished by		"	"	1325
Received by				
Relinquished by				
Received by				

Comments/Special Instructions:

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Client Copy

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

December 2, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0911-192

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on November 24, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

Case Narrative

Samples were collected on November 23 and 24, 2009, and received by the laboratory on November 24, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Volatiles EPA 8260B Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Some MTCA Method A cleanup levels are non-achievable for sample B7-Trench-1-1109 due to the necessary dilution of the sample.

Surrogate Standard 4-Bromofluorobenzene is outside control limits for sample B7-Trench-1-1109 due to the high concentration of coeluting compounds.

Internal Standard 1,4-Dichlorobenzene-d4 does not meet acceptance criteria for sample B7-Trench-3-1109 due to sample matrix effects. The sample was re-analyzed with similar results. All results, including Practical Quantitation Limits, from Bromobenzene onward should be considered estimates.

Total Metals EPA 6010B/7471A Analysis

The duplicate RPD for Lead is outside control limits due to sample inhomogeniety.

The Matrix Spike/ Matrix Spike Duplicate recoveries for Lead are outside control limits due to matrix interferences. The Spike Blank recovery was 99%.

Semivolatiles EPA 8270D/SIM Analysis

Sample B7-Trench-2-1109 had three surrogates outside of control limits, due to high concentrations of coeluting target compound, and are flagged with an “F” indicator.

Please note any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	11-192-02				
Client ID:	**B7-Trench-1-1109**				
TPH-Gas	**30000**	1000	11-30-09	11-30-09	Z1
Surrogate: Fluorobenzene	---	53-126			S
Lab ID:	11-192-03				
Client ID:	**B7-Trench-2-1109**				
TPH-Gas	**33000**	1300	11-30-09	11-30-09	Z2
Surrogate: Fluorobenzene	---	53-126			S
Lab ID:	11-192-04				
Client ID:	**B7-Trench-3-1109**				
TPH-Gas	**72**	6.2	11-30-09	11-30-09	Z3
Surrogate: Fluorobenzene	97%	53-126			

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted:	11-30-09
Date Analyzed:	11-30-09
Matrix: Soil	
Units: mg/kg (ppm)	
Lab ID:	MB1130S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	89%		

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 11-30-09
Date Analyzed: 11-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	11-192-04 **Original**	11-192-04 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**64.3**	**71.4**	10	
Surrogate Recovery:				
Fluorobenzene	97%	101%		

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	11-192-02				
Client ID:	**B7-Trench-1-1109**				
Diesel Range	**21000**	27	11-25-09	11-25-09	Y,M
Lube Oil	**320**	54	11-25-09	11-25-09	Y
Surrogate: o-terphenyl	80%	50-150			
Lab ID:	11-192-03				
Client ID:	**B7-Trench-2-1109**				
Diesel Range	**6500**	28	11-25-09	11-25-09	Y,M
Lube Oil	**450**	56	11-25-09	11-25-09	Y
Surrogate: o-terphenyl	89%	50-150			
Lab ID:	11-192-04				
Client ID:	**B7-Trench-3-1109**				
Diesel Range Organics	**380**	28	11-25-09	11-25-09	Y,M
Lube Oil	**1400**	56	11-25-09	11-25-09	Y
Surrogate: o-terphenyl	78%	50-150			

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	11-25-09
Date Analyzed:	11-25-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1125S1
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	80%
Flags:	Y

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	11-25-09
Date Analyzed:	11-25-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	11-192-04	11-192-04 DUP
Diesel Range:	**337**	**344**
PQL:	25	25
RPD:	2	
Surrogate Recovery		
o-Terphenyl:	78%	83%
Flags:	Y,M	Y,M

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 11-25-09
Date Analyzed: 11-25-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-192-02
Client ID: B7-Trench-1-1109

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		1.1
Chloromethane	ND		5.5
Vinyl Chloride	ND		1.1
Bromomethane	ND		1.1
Chloroethane	ND		5.5
Trichlorofluoromethane	ND		1.1
1,1-Dichloroethene	ND		1.1
Acetone	ND		5.5
Iodomethane	ND		5.5
Carbon Disulfide	ND		1.1
Methylene Chloride	ND		5.5
(trans) 1,2-Dichloroethene	ND		1.1
Methyl t-Butyl Ether	ND		1.1
1,1-Dichloroethane	ND		1.1
Vinyl Acetate	ND		5.5
2,2-Dichloropropane	ND		1.1
(cis) 1,2-Dichloroethene	ND		1.1
2-Butanone	ND		5.5
Bromochloromethane	ND		1.1
Chloroform	ND		1.1
1,1,1-Trichloroethane	ND		1.1
Carbon Tetrachloride	ND		1.1
1,1-Dichloropropene	ND		1.1
Benzene	ND		1.1
1,2-Dichloroethane	ND		1.1
Trichloroethene	ND		1.1
1,2-Dichloropropane	ND		1.1
Dibromomethane	ND		1.1
Bromodichloromethane	ND		1.1
2-Chloroethyl Vinyl Ether	ND		5.5
(cis) 1,3-Dichloropropene	ND		1.1
Methyl Isobutyl Ketone	ND		5.5
Toluene	11		5.5
(trans) 1,3-Dichloropropene	ND		1.1

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 11-192-02
Client ID: B7-Trench-1-1109

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		1.1
Tetrachloroethene	ND		1.1
1,3-Dichloropropane	ND		1.1
2-Hexanone	ND		5.5
Dibromochloromethane	ND		1.1
1,2-Dibromoethane	ND		1.1
Chlorobenzene	ND		1.1
1,1,1,2-Tetrachloroethane	ND		1.1
Ethylbenzene	1.8		1.1
m,p-Xylene	17		2.2
o-Xylene	3.6		1.1
Styrene	ND		1.1
Bromoform	ND		1.1
Isopropylbenzene	1.4		1.1
Bromobenzene	ND		1.1
1,1,2,2-Tetrachloroethane	ND		1.1
1,2,3-Trichloropropane	ND		1.1
n-Propylbenzene	4.8		1.1
2-Chlorotoluene	ND		1.1
4-Chlorotoluene	ND		1.1
1,3,5-Trimethylbenzene	20		1.1
tert-Butylbenzene	ND		1.1
1,2,4-Trimethylbenzene	62		1.1
sec-Butylbenzene	2.2		1.1
1,3-Dichlorobenzene	ND		1.1
p-Isopropyltoluene	3.0		1.1
1,4-Dichlorobenzene	ND		1.1
1,2-Dichlorobenzene	ND		1.1
n-Butylbenzene	10		1.1
1,2-Dibromo-3-chloropropane	ND		5.5
1,2,4-Trichlorobenzene	ND		1.1
Hexachlorobutadiene	ND		5.5
Naphthalene	ND		1.1
1,2,3-Trichlorobenzene	ND		1.1

Surrogate	Percent Recovery		Control Limits
Dibromofluoromethane	86		55-125
Toluene-d8	84		56-127
4-Bromofluorobenzene	140	Q	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 11-25-09
Date Analyzed: 11-25-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-192-03
Client ID: B7-Trench-2-1109

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		1.2
Chloromethane	ND		6.2
Vinyl Chloride	ND		1.2
Bromomethane	ND		1.2
Chloroethane	ND		6.2
Trichlorofluoromethane	ND		1.2
1,1-Dichloroethene	ND		1.2
Acetone	ND		6.2
Iodomethane	ND		6.2
Carbon Disulfide	ND		1.2
Methylene Chloride	ND		6.2
(trans) 1,2-Dichloroethene	ND		1.2
Methyl t-Butyl Ether	ND		1.2
1,1-Dichloroethane	ND		1.2
Vinyl Acetate	ND		6.2
2,2-Dichloropropane	ND		1.2
(cis) 1,2-Dichloroethene	ND		1.2
2-Butanone	14		6.2
Bromochloromethane	ND		1.2
Chloroform	ND		1.2
1,1,1-Trichloroethane	ND		1.2
Carbon Tetrachloride	ND		1.2
1,1-Dichloropropene	ND		1.2
Benzene	ND		1.2
1,2-Dichloroethane	ND		1.2
Trichloroethene	ND		1.2
1,2-Dichloropropane	ND		1.2
Dibromomethane	ND		1.2
Bromodichloromethane	ND		1.2
2-Chloroethyl Vinyl Ether	ND		6.2
(cis) 1,3-Dichloropropene	ND		1.2
Methyl Isobutyl Ketone	25		6.2
Toluene	140		6.2
(trans) 1,3-Dichloropropene	ND		1.2

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 11-192-03
Client ID: B7-Trench-2-1109

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		1.2
Tetrachloroethene	ND		1.2
1,3-Dichloropropane	ND		1.2
2-Hexanone	ND		6.2
Dibromochloromethane	ND		1.2
1,2-Dibromoethane	ND		1.2
Chlorobenzene	ND		1.2
1,1,1,2-Tetrachloroethane	ND		1.2
Ethylbenzene	890		62
m,p-Xylene	4400		120
o-Xylene	1100		62
Styrene	ND		1.2
Bromoform	ND		1.2
Isopropylbenzene	20		1.2
Bromobenzene	ND		1.2
1,1,2,2-Tetrachloroethane	ND		1.2
1,2,3-Trichloropropane	ND		1.2
n-Propylbenzene	28		1.2
2-Chlorotoluene	ND		1.2
4-Chlorotoluene	ND		1.2
1,3,5-Trimethylbenzene	54		1.2
tert-Butylbenzene	ND		1.2
1,2,4-Trimethylbenzene	210		1.2
sec-Butylbenzene	9.6		1.2
1,3-Dichlorobenzene	ND		1.2
p-Isopropyltoluene	11		1.2
1,4-Dichlorobenzene	ND		1.2
1,2-Dichlorobenzene	ND		1.2
n-Butylbenzene	21		1.2
1,2-Dibromo-3-chloropropane	ND		6.2
1,2,4-Trichlorobenzene	ND		1.2
Hexachlorobutadiene	ND		6.2
Naphthalene	17		1.2
1,2,3-Trichlorobenzene	ND		1.2

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	87	55-125
Toluene-d8	86	56-127
4-Bromofluorobenzene	119	54-130

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 11-25-09
Date Analyzed: 11-25-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-192-04
Client ID: B7-Trench-3-1109

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0058
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0058
Trichlorofluoromethane	0.078		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	ND		0.0058
Iodomethane	ND		0.0058
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0058
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0058
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	ND		0.0058
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0058
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0058
Toluene	ND		0.0058
(trans) 1,3-Dichloropropene	ND		0.0012

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

VOLATILES by EPA 8260B
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Lab ID: 11-192-04
Client ID: B7-Trench-3-1109

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	0.0035		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0058
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	0.0022		0.0012
m,p-Xylene	0.021		0.0023
o-Xylene	0.0080		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	0.0013		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	0.0018		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0058
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0058
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	90	55-125
Toluene-d8	67	56-127
4-Bromofluorobenzene	84	54-130

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted: 11-25-09
Date Analyzed: 11-25-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1125S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Lab ID: MB1125S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	92	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	95	54-130

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 11-25-09
Date Analyzed: 11-25-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1125S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0401	80	0.0456	91	70-130	
Benzene	0.0500	0.0420	84	0.0450	90	70-128	
Trichloroethene	0.0500	0.0464	93	0.0435	87	70-124	
Toluene	0.0500	0.0452	90	0.0405	81	73-123	
Chlorobenzene	0.0500	0.0525	105	0.0509	102	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	13	16	
Benzene	7	15	
Trichloroethene	7	14	
Toluene	11	14	
Chlorobenzene	3	13	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

SEMIVOLATILES by EPA 8270D
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-Trench-1-1109**					
Laboratory ID:	11-192-02					
N-Nitrosodimethylamine	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Pyridine	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Phenol	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Aniline	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
bis(2-Chloroethyl)ether	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
2-Chlorophenol	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
1,3-Dichlorobenzene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
1,4-Dichlorobenzene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Benzyl alcohol	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
1,2-Dichlorobenzene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
2-Methylphenol (o-Cresol)	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
bis(2-Chloroisopropyl)ether	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
N-Nitroso-di-n-propylamine	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Hexachloroethane	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Nitrobenzene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Isophorone	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
2-Nitrophenol	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
2,4-Dimethylphenol	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
bis(2-Chloroethoxy)methane	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
2,4-Dichlorophenol	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
1,2,4-Trichlorobenzene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Naphthalene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
4-Chloroaniline	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Hexachlorobutadiene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
4-Chloro-3-methylphenol	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
2-Methylnaphthalene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
1-Methylnaphthalene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Hexachlorocyclopentadiene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2,4,6-Trichlorophenol	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2,3-Dichloroaniline	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2,4,5-Trichlorophenol	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2-Chloronaphthalene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2-Nitroaniline	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
1,4-Dinitrobenzene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Dimethylphthalate	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2,6-Dinitrotoluene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
1,2-Dinitrobenzene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Acenaphthylene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
3-Nitroaniline	**ND**	0.18	EPA 8270	11-30-09	11-30-09	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-Trench-1-1109**					
Laboratory ID:	11-192-02					
2,4-Dinitrophenol	**ND**	0.90	EPA 8270	11-30-09	11-30-09	
Acenaphthene	**0.19**	0.18	EPA 8270	11-30-09	11-30-09	
4-Nitrophenol	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2,4-Dinitrotoluene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Dibenzofuran	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Diethylphthalate	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
4-Chlorophenyl-phenylether	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
4-Nitroaniline	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Fluorene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
4,6-Dinitro-2-methylphenol	**ND**	0.90	EPA 8270	11-30-09	11-30-09	
N-Nitrosodiphenylamine	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
1,2-Diphenylhydrazine	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
4-Bromophenyl-phenylether	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Hexachlorobenzene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Pentachlorophenol	**ND**	0.90	EPA 8270	11-30-09	11-30-09	
Phenanthrene	**0.65**	0.18	EPA 8270	11-30-09	11-30-09	
Anthracene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Carbazole	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Di-n-butylphthalate	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Fluoranthene	**2.5**	0.18	EPA 8270	11-30-09	11-30-09	
Benzidine	**ND**	1.8	EPA 8270	11-30-09	11-30-09	
Pyrene	**2.2**	0.18	EPA 8270	11-30-09	11-30-09	
Butylbenzylphthalate	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
bis-2-Ethylhexyladipate	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
3,3'-Dichlorobenzidine	**ND**	1.8	EPA 8270	11-30-09	11-30-09	
Benzo[a]anthracene	**2.0**	0.18	EPA 8270	11-30-09	11-30-09	
Chrysene	**2.7**	0.18	EPA 8270	11-30-09	11-30-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Di-n-octylphthalate	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Benzo[b]fluoranthene	**2.8**	0.18	EPA 8270	11-30-09	11-30-09	
Benzo[k]fluoranthene	**2.3**	0.18	EPA 8270	11-30-09	11-30-09	
Benzo[a]pyrene	**2.0**	0.18	EPA 8270	11-30-09	11-30-09	
Indeno[1,2,3-cd]pyrene	**1.4**	0.18	EPA 8270	11-30-09	11-30-09	
Dibenz[a,h]anthracene	**0.64**	0.18	EPA 8270	11-30-09	11-30-09	
Benzo[g,h,i]perylene	**1.6**	0.18	EPA 8270	11-30-09	11-30-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorophenol	***31***	***19 - 97***				
Phenol-d6	***71***	***22 - 108***				
Nitrobenzene-d5	***52***	***21 - 106***				
2-Fluorobiphenyl	***103***	***29 - 107***				
2,4,6-Tribromophenol	***92***	***44 - 121***				
Terphenyl-d14	***98***	***37 - 120***				

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

SEMIVOLATILES by EPA 8270D
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-Trench-2-1109**					
Laboratory ID:	11-192-03					
N-Nitrosodimethylamine	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Pyridine	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Phenol	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Aniline	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
bis(2-Chloroethyl)ether	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
2-Chlorophenol	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
1,3-Dichlorobenzene	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
1,4-Dichlorobenzene	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Benzyl alcohol	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
1,2-Dichlorobenzene	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
2-Methylphenol (o-Cresol)	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
bis(2-Chloroisopropyl)ether	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
N-Nitroso-di-n-propylamine	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Hexachloroethane	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Nitrobenzene	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Isophorone	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
2-Nitrophenol	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
2,4-Dimethylphenol	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
bis(2-Chloroethoxy)methane	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
2,4-Dichlorophenol	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
1,2,4-Trichlorobenzene	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Naphthalene	**26**	3.7	EPA 8270	11-30-09	12-1-09	
4-Chloroaniline	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Hexachlorobutadiene	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
4-Chloro-3-methylphenol	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
2-Methylnaphthalene	**7.4**	3.7	EPA 8270	11-30-09	12-1-09	
1-Methylnaphthalene	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Hexachlorocyclopentadiene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,4,6-Trichlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,3-Dichloroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,4,5-Trichlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2-Chloronaphthalene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2-Nitroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,4-Dinitrobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Dimethylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,3-Dinitrobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,6-Dinitrotoluene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,2-Dinitrobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Acenaphthylene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
3-Nitroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

SEMIVOLATILES by EPA 8270D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-Trench-2-1109**					
Laboratory ID:	11-192-03					
2,4-Dinitrophenol	**ND**	0.94	EPA 8270	11-30-09	11-30-09	
Acenaphthene	**0.51**	0.19	EPA 8270	11-30-09	11-30-09	
4-Nitrophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,4-Dinitrotoluene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Dibenzofuran	**0.27**	0.19	EPA 8270	11-30-09	11-30-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Diethylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
4-Chlorophenyl-phenylether	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
4-Nitroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Fluorene	**0.33**	0.19	EPA 8270	11-30-09	11-30-09	
4,6-Dinitro-2-methylphenol	**ND**	0.94	EPA 8270	11-30-09	11-30-09	
N-Nitrosodiphenylamine	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,2-Diphenylhydrazine	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
4-Bromophenyl-phenylether	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Hexachlorobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Pentachlorophenol	**ND**	0.94	EPA 8270	11-30-09	11-30-09	
Phenanthrene	**1.6**	0.19	EPA 8270	11-30-09	11-30-09	
Anthracene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Carbazole	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Di-n-butylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Fluoranthene	**7.1**	0.19	EPA 8270	11-30-09	11-30-09	
Benzidine	**ND**	1.9	EPA 8270	11-30-09	11-30-09	
Pyrene	**6.4**	0.19	EPA 8270	11-30-09	11-30-09	
Butylbenzylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
bis-2-Ethylhexyladipate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
3,3'-Dichlorobenzidine	**ND**	1.9	EPA 8270	11-30-09	11-30-09	
Benzo[a]anthracene	**7.4**	0.19	EPA 8270	11-30-09	11-30-09	
Chrysene	**12**	3.7	EPA 8270	11-30-09	12-1-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Di-n-octylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Benzo[b]fluoranthene	**12**	3.7	EPA 8270	11-30-09	12-1-09	
Benzo[k]fluoranthene	**6.9**	0.19	EPA 8270	11-30-09	11-30-09	
Benzo[a]pyrene	**7.2**	0.19	EPA 8270	11-30-09	11-30-09	
Indeno[1,2,3-cd]pyrene	**6.4**	0.19	EPA 8270	11-30-09	11-30-09	
Dibenz[a,h]anthracene	**3.0**	0.19	EPA 8270	11-30-09	11-30-09	
Benzo[g,h,i]perylene	**7.2**	0.19	EPA 8270	11-30-09	11-30-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorophenol	***.---***	***19 - 97***				F
Phenol-d6	***.---***	***22 - 108***				F
Nitrobenzene-d5	***.---***	***21 - 106***				F
2-Fluorobiphenyl	***105***	***29 - 107***				
2,4,6-Tribromophenol	***101***	***44 - 121***				
Terphenyl-d14	***102***	***37 - 120***				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

SEMIVOLATILES by EPA 8270D
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-Trench-3-1109**					
Laboratory ID:	11-192-04					
N-Nitrosodimethylamine	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Pyridine	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Phenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Aniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
bis(2-Chloroethyl)ether	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2-Chlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,3-Dichlorobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,4-Dichlorobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Benzyl alcohol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,2-Dichlorobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2-Methylphenol (o-Cresol)	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
bis(2-Chloroisopropyl)ether	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
(3+4)-Methylphenol (m,p-Cresol)	**0.22**	0.19	EPA 8270	11-30-09	11-30-09	
N-Nitroso-di-n-propylamine	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Hexachloroethane	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Nitrobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Isophorone	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2-Nitrophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,4-Dimethylphenol	**0.22**	0.19	EPA 8270	11-30-09	11-30-09	
bis(2-Chloroethoxy)methane	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,4-Dichlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,2,4-Trichlorobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Naphthalene	**1.3**	0.19	EPA 8270	11-30-09	11-30-09	
4-Chloroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Hexachlorobutadiene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
4-Chloro-3-methylphenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2-Methylnaphthalene	**0.46**	0.19	EPA 8270	11-30-09	11-30-09	
1-Methylnaphthalene	**0.24**	0.19	EPA 8270	11-30-09	11-30-09	
Hexachlorocyclopentadiene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,4,6-Trichlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,3-Dichloroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,4,5-Trichlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2-Chloronaphthalene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2-Nitroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,4-Dinitrobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Dimethylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,3-Dinitrobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,6-Dinitrotoluene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,2-Dinitrobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Acenaphthylene	**2.4**	0.19	EPA 8270	11-30-09	11-30-09	
3-Nitroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

SEMIVOLATILES by EPA 8270D
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-Trench-3-1109**					
Laboratory ID:	11-192-04					
2,4-Dinitrophenol	**ND**	0.94	EPA 8270	11-30-09	11-30-09	
Acenaphthene	**0.20**	0.19	EPA 8270	11-30-09	11-30-09	
4-Nitrophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,4-Dinitrotoluene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Dibenzofuran	**0.40**	0.19	EPA 8270	11-30-09	11-30-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Diethylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
4-Chlorophenyl-phenylether	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
4-Nitroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Fluorene	**1.5**	0.19	EPA 8270	11-30-09	11-30-09	
4,6-Dinitro-2-methylphenol	**ND**	0.94	EPA 8270	11-30-09	11-30-09	
N-Nitrosodiphenylamine	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,2-Diphenylhydrazine	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
4-Bromophenyl-phenylether	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Hexachlorobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Pentachlorophenol	**ND**	0.94	EPA 8270	11-30-09	11-30-09	
Phenanthrene	**10**	0.19	EPA 8270	11-30-09	11-30-09	
Anthracene	**5.9**	0.19	EPA 8270	11-30-09	11-30-09	
Carbazole	**0.49**	0.19	EPA 8270	11-30-09	11-30-09	
Di-n-butylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Fluoranthene	**29**	3.7	EPA 8270	11-30-09	12-1-09	
Benzidine	**ND**	1.9	EPA 8270	11-30-09	11-30-09	
Pyrene	**27**	3.7	EPA 8270	11-30-09	12-1-09	
Butylbenzylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
bis-2-Ethylhexyladipate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
3,3'-Dichlorobenzidine	**ND**	1.9	EPA 8270	11-30-09	11-30-09	
Benzo[a]anthracene	**20**	3.7	EPA 8270	11-30-09	12-1-09	
Chrysene	**24**	3.7	EPA 8270	11-30-09	12-1-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Di-n-octylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Benzo[b]fluoranthene	**22**	3.7	EPA 8270	11-30-09	12-1-09	
Benzo[k]fluoranthene	**19**	3.7	EPA 8270	11-30-09	12-1-09	
Benzo[a]pyrene	**21**	3.7	EPA 8270	11-30-09	12-1-09	
Indeno[1,2,3-cd]pyrene	**14**	3.7	EPA 8270	11-30-09	12-1-09	
Dibenz[a,h]anthracene	**5.0**	0.19	EPA 8270	11-30-09	11-30-09	
Benzo[g,h,i]perylene	**16**	3.7	EPA 8270	11-30-09	12-1-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorophenol	***79***	***19 - 97***				
Phenol-d6	***85***	***22 - 108***				
Nitrobenzene-d5	***99***	***21 - 106***				
2-Fluorobiphenyl	***94***	***29 - 107***				
2,4,6-Tribromophenol	***81***	***44 - 121***				
Terphenyl-d14	***94***	***37 - 120***				

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1130S2					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Pyridine	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Phenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Aniline	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Hexachloroethane	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Nitrobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Isophorone	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	11-30-09	11-30-09	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1130S2					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	11-30-09	11-30-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Dibenzofuran	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Diethylphthalate	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	11-30-09	11-30-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	11-30-09	11-30-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Carbazole	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Benzidine	**ND**	0.33	EPA 8270	11-30-09	11-30-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	11-30-09	11-30-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorophenol	***84***	***19 - 97***				
Phenol-d6	***89***	***22 - 108***				
Nitrobenzene-d5	***94***	***21 - 106***				
2-Fluorobiphenyl	***89***	***29 - 107***				
2,4,6-Tribromophenol	***89***	***44 - 121***				
Terphenyl-d14	***96***	***37 - 120***				

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1130S2									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**1.10**	**1.12**	1.33	1.33	83	84	27 - 100	2	37	
2-Chlorophenol	**1.06**	**1.06**	1.33	1.33	80	80	23 - 104	0	43	
1,4-Dichlorobenzene	**0.480**	**0.457**	0.667	0.667	72	69	23 - 86	5	40	
N-Nitroso-di-n-propylamine	**0.520**	**0.528**	0.667	0.667	78	79	28 - 96	2	37	
1,2,4-Trichlorobenzene	**0.489**	**0.467**	0.667	0.667	73	70	25 - 90	5	40	
4-Chloro-3-methylphenol	**1.10**	**1.20**	1.33	1.33	83	90	44 - 106	9	31	
Acenaphthene	**0.483**	**0.515**	0.667	0.667	72	77	39 - 93	6	28	
4-Nitrophenol	**1.08**	**1.22**	1.33	1.33	81	92	30 - 124	12	31	
2,4-Dinitrotoluene	**0.514**	**0.569**	0.667	0.667	77	85	53 - 109	10	34	
Pentachlorophenol	**1.20**	**1.38**	1.33	1.33	90	104	47 - 122	14	33	
Pyrene	**0.550**	**0.631**	0.667	0.667	82	95	55 - 108	14	29	
Surrogate:										
2-Fluorophenol					***81***	***81***	***19 - 97***			
Phenol-d6					***85***	***85***	***22 - 108***			
Nitrobenzene-d5					***88***	***88***	***21 - 106***			
2-Fluorobiphenyl					***83***	***86***	***29 - 107***			
2,4,6-Tribromophenol					***83***	***92***	***44 - 121***			
Terphenyl-d14					***91***	***102***	***37 - 120***			

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Lab Traveler: 0911-192
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-Trench -1-1109**					
Laboratory ID:	11-192-02					
Aroclor 1016	**ND**	0.054	EPA 8082	11-25-09	11-25-09	
Aroclor 1221	**ND**	0.054	EPA 8082	11-25-09	11-25-09	
Aroclor 1232	**ND**	0.054	EPA 8082	11-25-09	11-25-09	
Aroclor 1242	**ND**	0.054	EPA 8082	11-25-09	11-25-09	
Aroclor 1248	**ND**	0.054	EPA 8082	11-25-09	11-25-09	
Aroclor 1254	**ND**	0.054	EPA 8082	11-25-09	11-25-09	
Aroclor 1260	**ND**	0.054	EPA 8082	11-25-09	11-25-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***89***	***33-122***				
Client ID:	**B7-Trench -2-1109**					
Laboratory ID:	11-192-03					
Aroclor 1016	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1221	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1232	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1242	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1248	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1254	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1260	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***75***	***33-122***				
Client ID:	**B7-Trench -3-1109**					
Laboratory ID:	11-192-04					
Aroclor 1016	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1221	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1232	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1242	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1248	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1254	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1260	**0.092**	0.056	EPA 8082	11-25-09	11-25-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***86***	***33-122***				

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Lab Traveler: 0911-192
Project: 14697

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1125S1					
Aroclor 1016	**ND**	0.050	EPA 8082	11-25-09	11-25-09	
Aroclor 1221	**ND**	0.050	EPA 8082	11-25-09	11-25-09	
Aroclor 1232	**ND**	0.050	EPA 8082	11-25-09	11-25-09	
Aroclor 1242	**ND**	0.050	EPA 8082	11-25-09	11-25-09	
Aroclor 1248	**ND**	0.050	EPA 8082	11-25-09	11-25-09	
Aroclor 1254	**ND**	0.050	EPA 8082	11-25-09	11-25-09	
Aroclor 1260	**ND**	0.050	EPA 8082	11-25-09	11-25-09	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***90***	***33-122***				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	11-195-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.396**	**0.419**	0.500	0.500	ND	**79**	**84**	24-125	6	18	
Surrogate:											
DCB						***75***	***82***	***33-122***			

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Concrete
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-192-01					
Client ID:	**Concrete-Bldg7-1109**					
Arsenic	**20**	10	6010B	11-30-09	11-30-09	
Barium	**83**	2.5	6010B	11-30-09	11-30-09	
Cadmium	**ND**	0.50	6010B	11-30-09	11-30-09	
Chromium	**26**	0.50	6010B	11-30-09	11-30-09	
Lead	**85**	5.0	6010B	11-30-09	11-30-09	
Mercury	**ND**	0.25	7471A	11-25-09	11-25-09	
Selenium	**ND**	10	6010B	11-30-09	11-30-09	
Silver	**ND**	0.50	6010B	11-30-09	11-30-09	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL METALS
EPA 6010B
METHOD BLANK QUALITY CONTROL

Date Extracted: 11-30-09
Date Analyzed: 11-30-09

Matrix: Concrete
Units: mg/kg (ppm)

Lab ID: MB1130S1

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Barium	6010B	**ND**	2.5
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Lead	6010B	**ND**	5.0
Selenium	6010B	**ND**	10
Silver	6010B	**ND**	0.50

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL MERCURY
EPA 7471A
METHOD BLANK QUALITY CONTROL

Date Extracted:	11-25-09
Date Analyzed:	11-25-09
Matrix:	Concrete
Units:	mg/kg (ppm)
Lab ID:	MB1125S2

Analyte	Method	Result	PQL
Mercury	7471A	**ND**	0.25

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL METALS
EPA 6010B
DUPLICATE QUALITY CONTROL

Date Extracted: 11-30-09
Date Analyzed: 11-30-09

Matrix: Concrete
Units: mg/kg (ppm)

Lab ID: 11-192-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**19.9**	**19.7**	1	10	
Barium	**83.3**	**78.6**	6	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**26.1**	**27.2**	4	0.50	
Lead	**85.5**	**58.2**	38	5.0	K
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	0.50	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL MERCURY
EPA 7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 11-25-09
Date Analyzed: 11-25-09

Matrix: Concrete
Units: mg/kg (ppm)

Lab ID: 11-172-02

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Mercury	**ND**	**ND**	NA	0.25	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL METALS
EPA 6010B
MS/MSD QUALITY CONTROL

Date Extracted: 11-30-09
Date Analyzed: 11-30-09

Matrix: Concrete
Units: mg/kg (ppm)

Lab ID: 11-192-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**104**	84	**105**	85	1	
Barium	100	**166**	82	**175**	92	5	
Cadmium	50	**47.5**	95	**46.7**	93	2	
Chromium	100	**120**	94	**118**	92	2	
Lead	250	**257**	69	**251**	66	3	V
Selenium	100	**88.9**	89	**90.0**	90	1	
Silver	25	**21.8**	87	**21.5**	86	2	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL MERCURY
EPA 7471A
MS/MSD QUALITY CONTROL

Date Extracted: 11-25-09
Date Analyzed: 11-25-09

Matrix: Concrete
Units: mg/kg (ppm)

Lab ID: 11-172-02

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Mercury	0.50	**0.485**	97	**0.479**	96	1	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-192-02					
Client ID:	**B7-Trench-1-1109**					
Arsenic	**ND**	11	6010B	11-24-09	11-24-09	
Barium	**37**	2.7	6010B	11-24-09	11-24-09	
Cadmium	**ND**	0.54	6010B	11-24-09	11-24-09	
Chromium	**19**	0.54	6010B	11-24-09	11-24-09	
Lead	**34**	5.4	6010B	11-24-09	11-24-09	
Mercury	**0.28**	0.27	7471A	11-25-09	11-25-09	
Selenium	**ND**	11	6010B	11-24-09	11-24-09	
Silver	**ND**	0.54	6010B	11-24-09	11-24-09	
Lab ID:	11-192-03					
Client ID:	**B7-Trench-2-1109**					
Arsenic	**ND**	11	6010B	11-24-09	11-24-09	
Barium	**39**	2.8	6010B	11-24-09	11-24-09	
Cadmium	**ND**	0.56	6010B	11-24-09	11-24-09	
Chromium	**16**	0.56	6010B	11-24-09	11-24-09	
Lead	**25**	5.6	6010B	11-24-09	11-24-09	
Mercury	**ND**	0.28	7471A	11-25-09	11-25-09	
Selenium	**ND**	11	6010B	11-24-09	11-24-09	
Silver	**ND**	0.56	6010B	11-24-09	11-24-09	
Lab ID:	11-192-04					
Client ID:	**B7-Trench-3-1109**					
Arsenic	**ND**	11	6010B	11-24-09	11-24-09	
Barium	**93**	2.8	6010B	11-24-09	11-24-09	
Cadmium	**1.8**	0.56	6010B	11-24-09	11-24-09	
Chromium	**15**	0.56	6010B	11-24-09	11-24-09	
Lead	**200**	5.6	6010B	11-24-09	11-24-09	
Mercury	**ND**	0.28	7471A	11-25-09	11-25-09	
Selenium	**ND**	11	6010B	11-24-09	11-24-09	
Silver	**ND**	0.56	6010B	11-24-09	11-24-09	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 11-24&25-09
Date Analyzed: 11-24&25-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1124S1&MB1125S2

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Barium	6010B	**ND**	2.5
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Selenium	6010B	**ND**	10
Silver	6010B	**ND**	0.50

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 11-24&25-09
Date Analyzed: 11-24&25-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-172-02

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Barium	**39.2**	**42.8**	9	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**7.33**	**7.28**	1	0.50	
Lead	**ND**	**ND**	NA	5.0	
Mercury	**ND**	**ND**	NA	0.25	
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	0.50	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 11-24&25-09
Date Analyzed: 11-24&25-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-172-02

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**90.1**	90	**93.4**	93	4	
Barium	100	**138**	99	**135**	96	2	
Cadmium	50	**48.2**	96	**48.1**	96	0	
Chromium	100	**105**	98	**113**	105	7	
Lead	250	**230**	92	**232**	93	1	
Mercury	0.50	**0.485**	97	**0.479**	96	1	
Selenium	100	**92.3**	92	**91.7**	92	1	
Silver	25	**22.4**	89	**22.2**	89	1	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TCLP Metals
EPA 1311/6010B

Matrix: TCLP Extract
Units: mg/L (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-192-01					
Client ID:	**Concrete-Bldg7-1109**					
Arsenic	**ND**	0.40	6010B	12-2-09	12-2-09	
Barium	**0.40**	0.20	6010B	12-2-09	12-2-09	
Chromium	**0.023**	0.020	6010B	12-2-09	12-2-09	
Lead	**ND**	0.20	6010B	12-2-09	12-2-09	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TCLP Metals
EPA 1311/6010B
METHOD BLANK QUALITY CONTROL

Date Prepared:	12-1-09
Date Extracted:	12-2-09
Date Analyzed:	12-2-09
Matrix:	TCLP Extract
Units:	mg/L (ppm)
Lab ID:	MB1202T1

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	0.40
Barium	6010B	**ND**	0.20
Chromium	6010B	**ND**	0.020
Lead	6010B	**ND**	0.20

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TCLP Metals
EPA 1311/6010B
DUPLICATE QUALITY CONTROL

Date Prepared: 12-1-09
Date Extracted: 12-2-09
Date Analyzed: 12-2-09

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 11-192-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	0.40	
Barium	**0.399**	**0.395**	1	0.20	
Chromium	**0.0227**	**ND**	NA	0.020	
Lead	**ND**	**ND**	NA	0.20	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TCLP Metals
EPA 1311/6010B
MS/MSD QUALITY CONTROL

Date Prepared: 12-1-09
Date Extracted: 12-2-09
Date Analyzed: 12-2-09

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 11-192-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	4.0	**4.21**	105	**4.29**	107	2	
Barium	4.0	**4.32**	98	**4.39**	100	2	
Chromium	4.0	**4.28**	107	**4.37**	109	2	
Lead	10	**9.75**	98	**10.0**	100	3	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

% MOISTURE

Date Analyzed: 11-25-09

Client ID	Lab ID	% Moisture
B7-Trench-1-1109	11-192-02	7
B7-Trench-2-1109	11-192-03	11
B7-Trench-3-1109	11-192-04	11

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z1 - The chromatogram is similar to mineral spirits

Z2 - The chromatogram is similar to mineral spirits with GRO.

Z3 - The chromatogram is similar to GRO with DRO.

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Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Page 1 of 1

Laboratory Number: 11-192

Company: AMEC Geomatrix
Project Number: 14697
Project Name: Kelly Moore Paint Co.
Project Manager: Tagga Gray
Sampled by: Erwin Enston / Clea Bleeker

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☒ 2 Day (#1)
- ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals (As, Ba, Cr, Pb)	HEM by 1664	% Moisture
1	Concrete-Bldg 7-1109	11/23/09	15:45	⊗	1											X	●		
2	B7-Trench-1-1109	11/24/09	845	S	5		X	X	X		X		X			X			X
3	B7-Trench-2-1109	11/24/09	900	S	6		X	X	X		X		X			X			↓
4	B7-Trench-3-1109	11/24/09	930	S	6		X	X	X		X		X			X			↓

Clea Bleeker

	Signature	Company	Date	Time
Relinquished by	Clea Bleeker	AMEC GMX	11/24/09	1425
Received by	Brian Smith	Speedy	11/24/09	1425
Relinquished by	Brian Smith	Speedy	11/24/09	1530
Received by		OSE	11/24/09	1530
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions:
⊗ = Concrete
Silica gel/Acid wash cleanup on TPH-Dx
● Added 12/1/09. PB (1 day TAT)

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Client Copy

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 11, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0910-228

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on October 28, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,



David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

Case Narrative

Samples were collected on October 27 and 28, 2009, and received by the laboratory on October 28, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The chromatograms for samples PCS-2, Containment-N Wall-1009, Stockpile-C2, Containment-S Wall-1009, Tank2-B-1009, Containment-E Wall-1009, Containment-W Wall-1009 and Pipe-1-1009 are similar to mineral spirits with gasoline range organics.

The chromatograms for samples Stockpile-C1 and Stockpile-C3 are similar to mineral spirits.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

NWTPH Gx (water) Analysis

The chromatogram for sample Contain-GW-1009 is similar to mineral spirits with gasoline range organics.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Volatiles EPA 8260B (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Some MTCA Method A cleanup levels are non-achievable for samples PCS-2, Stockpile-C2, Containment-S Wall-1009, and Containment-E Wall-1009 due to the necessary dilution of the sample.

Surrogate Standard 4-Bromofluorobenzene is outside control limits for sample Containment-W Wall-1009 due to the high concentration of co-eluting compounds.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-228-10				
Client ID:	**PCS-2**				
TPH-Gas	**94**	32	10-29-09	10-29-09	Z1
Surrogate: Fluorobenzene	92%	53-126			

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted:	10-29-09
Date Analyzed:	10-29-09
Matrix: Soil	
Units: mg/kg (ppm)	
Lab ID:	MB1029S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	96%		

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	10-228-12 **Original**	10-228-12 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**9.39**	**10.1**	7	
Surrogate Recovery:				
Fluorobenzene	91%	92%		

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-228-05				
Client ID:	**Containment-N Wall-1009**				
TPH-Gas	**16**	7.5	10-29-09	10-29-09	Z1
Surrogate: Fluorobenzene	98%	53-126			
Lab ID:	10-228-09				
Client ID:	**Stockpile-C1**				
TPH-Gas	**14**	6.8	10-29-09	10-29-09	Z
Surrogate: Fluorobenzene	92%	53-126			
Lab ID:	10-228-11				
Client ID:	**Stockpile-C2**				
TPH-Gas	**130**	5.6	10-29-09	10-29-09	Z1
Surrogate: Fluorobenzene	96%	53-126			
Lab ID:	10-228-12				
Client ID:	**Stockpile-C3**				
TPH-Gas	**10**	6.6	10-29-09	10-29-09	Z
Surrogate: Fluorobenzene	91%	53-126			

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1029S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0

Surrogate Recovery:
Fluorobenzene 96%

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	10-228-12 **Original**	10-228-12 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**9.39**	**10.1**	7	
Surrogate Recovery:				
Fluorobenzene	91%	92%		

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-228-01				
Client ID:	**Tank1-B-1009**				
TPH-Gas	**ND**	7.4	10-30-09	10-30-09	
Surrogate: Fluorobenzene	98%	53-126			
Lab ID:	10-228-02				
Client ID:	**Containment-S Wall-1009**				
TPH-Gas	**88**	14	10-30-09	11-2-09	Z1
Surrogate: Fluorobenzene	106%	53-126			
Lab ID:	10-228-04				
Client ID:	**Tank2-B-1009**				
TPH-Gas	**54**	7.0	10-30-09	10-30-09	Z1
Surrogate: Fluorobenzene	96%	53-126			

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1030S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	100%		

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	10-228-01 **Original**	10-228-01 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	98%	100%		

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-228-03				
Client ID:	**Contain-GW-1009**				
TPH-Gas	**510000**	10000	10-29-09	10-29-09	Z1
Surrogate: Fluorobenzene	92%	74-121			

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1029W2

	Result	Flags	PQL
TPH-Gas	**ND**		100

Surrogate Recovery:
Fluorobenzene 100%

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Water
Units: ug/L (ppb)

Lab ID:	10-229-02 **Original**	10-229-02 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	99%	98%		

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-228-06				
Client ID:	**Containment-E Wall-1009**				
TPH-Gas	**58**	6.4	11-3-09	11-3-09	Z1
Surrogate: Fluorobenzene	96%	53-126			
Lab ID:	10-228-07				
Client ID:	**Containment-W Wall-1009**				
TPH-Gas	**150**	6.9	11-3-09	11-3-09	Z1
Surrogate: Fluorobenzene	97%	53-126			
Lab ID:	10-228-08				
Client ID:	**Pipe-1-1009**				
TPH-Gas	**18**	13	11-3-09	11-3-09	Z1
Surrogate: Fluorobenzene	93%	53-126			

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Samples Submitted: October 28, 2009
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Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 11-3-09
Date Analyzed: 11-3-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1103S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	96%		

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 11-3-09
Date Analyzed: 11-3-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	10-228-07 **Original**	10-228-07 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**151**	**146**	4	
Surrogate Recovery:				
Fluorobenzene	97%	95%		

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-228-10				
Client ID:	**PCS-2**				
Diesel Range Organics	**48**	28	10-29-09	10-29-09	Y
Lube Oil	**62**	56	10-29-09	10-29-09	Y
Surrogate: o-terphenyl	74%	50-150			

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	10-29-09
Date Analyzed:	10-29-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1029S2
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	86%
Flags:	Y

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Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	10-29-09
Date Analyzed:	10-29-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	10-233-01	10-233-01 DUP
Diesel Range:	**ND**	**ND**
PQL:	25	25
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	76%	80%
Flags:	Y	Y

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Laboratory Reference: 0910-228
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-228-05				
Client ID:	**Containment-N Wall-1009**				
Diesel Range	**ND**	31	10-30-09	10-30-09	Y
Lube Oil Range	**ND**	63	10-30-09	10-30-09	Y
Surrogate: o-terphenyl	60%	50-150			
Lab ID:	10-228-09				
Client ID:	**Stockpile-C1**				
Diesel Range	**ND**	28	10-30-09	10-30-09	Y
Lube Oil	**86**	55	10-30-09	10-30-09	Y
Surrogate: o-terphenyl	75%	50-150			
Lab ID:	10-228-11				
Client ID:	**Stockpile-C2**				
Diesel Range	**ND**	35	10-30-09	10-30-09	Y,U1
Lube Oil	**64**	55	10-30-09	10-30-09	Y
Surrogate: o-terphenyl	65%	50-150			
Lab ID:	10-228-12				
Client ID:	**Stockpile-C3**				
Diesel Range	**ND**	28	10-30-09	10-30-09	Y
Lube Oil	**74**	55	10-30-09	10-30-09	Y
Surrogate: o-terphenyl	76%	50-150			

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Samples Submitted: October 28, 2009
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Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	10-30-09
Date Analyzed:	10-30-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1030S1
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	77%
Flags:	Y

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Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	10-30-09
Date Analyzed:	10-30-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	10-228-05	10-228-05 DUP
Diesel Range:	**ND**	**ND**
PQL:	25	25
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	60%	61%
Flags:	Y	Y

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Laboratory Reference: 0910-228
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-228-01				
Client ID:	**Tank 1-B-1009**				
Diesel Range	**ND**	44	10-31-09	11-1-09	Y,U1
Lube Oil Range	**ND**	65	10-31-09	11-1-09	Y
Surrogate: o-terphenyl	93%	50-150			
Lab ID:	10-228-02				
Client ID:	**Containment-S Wall-1009**				
Diesel Range	**ND**	41	10-31-09	11-1-09	Y,U1
Lube Oil Range	**ND**	61	10-31-09	11-1-09	Y
Surrogate: o-terphenyl	78%	50-150			
Lab ID:	10-228-04				
Client ID:	**Tank 2-B-1009**				
Diesel Range	**ND**	31	10-31-09	11-1-09	Y
Lube Oil Range	**ND**	62	10-31-09	11-1-09	Y
Surrogate: o-terphenyl	86%	50-150			

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Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	10-31-09
Date Analyzed:	11-1-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1031S1
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	99%
Flags:	Y

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Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-31-09
Date Analyzed: 11-1-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	10-220-02	10-220-02 DUP
Diesel Range:	**48.3**	**35.5**
PQL:	25	25
RPD:	31	
Surrogate Recovery		
o-Terphenyl:	90%	104%
Flags:	Y	Y

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Laboratory Reference: 0910-228
Project: 14697

NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-228-03				
Client ID:	**Contain-GW-1009**				
Diesel Range	**ND**	5.4	10-31-09	11-1-09	Y,U1
Lube Oil	**1.5**	0.44	10-31-09	11-1-09	Y
Surrogate: o-terphenyl	62%	50-150			

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Samples Submitted: October 28, 2009
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Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	10-31-09
Date Analyzed:	11-1-09
Matrix:	Water
Units:	mg/L (ppm)
Lab ID:	MB1031W1
Diesel Range:	**ND**
PQL:	0.25
Identification:	---
Lube Oil Range:	**ND**
PQL:	0.40
Identification:	---
Surrogate Recovery	
o-Terphenyl:	82%
Flags:	Y

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Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-31-09
Date Analyzed: 11-1-09

Matrix: Water
Units: mg/L (ppm)

Lab ID:	10-239-01	10-239-01 DUP
Diesel Range:	**ND**	**ND**
PQL:	0.25	0.26
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	84%	83%
Flags:	Y	Y

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Laboratory Reference: 0910-228
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-228-06				
Client ID:	**Containment-E Wall-1009**				
Diesel Range	**ND**	160	11-4-09	11-4-09	Y,U1
Lube Oil	**220**	59	11-4-09	11-4-09	Y
Surrogate: o-terphenyl	62%	50-150			
Lab ID:	10-228-07				
Client ID:	**Containment-W Wall-1009**				
Diesel Range	**ND**	92	11-4-09	11-4-09	Y,U1
Lube Oil	**240**	58	11-4-09	11-4-09	Y
Surrogate: o-terphenyl	68%	50-150			
Lab ID:	10-228-08				
Client ID:	**Pipe-1-1009**				
Diesel Range	**ND**	44	11-4-09	11-4-09	Y
Lube Oil	**200**	87	11-4-09	11-4-09	Y
Surrogate: o-terphenyl	69%	50-150			

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
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Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	11-4-09
Date Analyzed:	11-4-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1104S1
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	77%
Flags:	Y

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	11-4-09
Date Analyzed:	11-4-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	10-157-02	10-157-02 DUP
Diesel Range:	**ND**	**ND**
PQL:	25	25
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	71%	85%
Flags:	Y	Y

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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-228-10
Client ID: PCS-2

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.064
Chloromethane	ND		0.32
Vinyl Chloride	ND		0.064
Bromomethane	ND		0.064
Chloroethane	ND		0.32
Trichlorofluoromethane	ND		0.064
1,1-Dichloroethene	ND		0.064
Acetone	ND		0.32
Iodomethane	ND		0.32
Carbon Disulfide	ND		0.064
Methylene Chloride	ND		0.32
(trans) 1,2-Dichloroethene	ND		0.064
Methyl t-Butyl Ether	ND		0.064
1,1-Dichloroethane	ND		0.064
Vinyl Acetate	ND		0.32
2,2-Dichloropropane	ND		0.064
(cis) 1,2-Dichloroethene	ND		0.064
2-Butanone	ND		0.32
Bromochloromethane	ND		0.064
Chloroform	ND		0.064
1,1,1-Trichloroethane	ND		0.064
Carbon Tetrachloride	ND		0.064
1,1-Dichloropropene	ND		0.064
Benzene	ND		0.064
1,2-Dichloroethane	ND		0.064
Trichloroethene	ND		0.064
1,2-Dichloropropane	ND		0.064
Dibromomethane	ND		0.064
Bromodichloromethane	ND		0.064
2-Chloroethyl Vinyl Ether	ND		0.32
(cis) 1,3-Dichloropropene	ND		0.064
Methyl Isobutyl Ketone	ND		0.32
Toluene	ND		0.32
(trans) 1,3-Dichloropropene	ND		0.064

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Lab ID: 10-228-10
Client ID: PCS-2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.064
Tetrachloroethene	ND		0.064
1,3-Dichloropropane	ND		0.064
2-Hexanone	ND		0.32
Dibromochloromethane	ND		0.064
1,2-Dibromoethane	ND		0.064
Chlorobenzene	ND		0.064
1,1,1,2-Tetrachloroethane	ND		0.064
Ethylbenzene	3.4		0.064
m,p-Xylene	12		0.64
o-Xylene	4.1		0.064
Styrene	ND		0.064
Bromoform	ND		0.064
Isopropylbenzene	0.082		0.064
Bromobenzene	ND		0.064
1,1,2,2-Tetrachloroethane	ND		0.064
1,2,3-Trichloropropane	ND		0.064
n-Propylbenzene	0.11		0.064
2-Chlorotoluene	ND		0.064
4-Chlorotoluene	ND		0.064
1,3,5-Trimethylbenzene	0.17		0.064
tert-Butylbenzene	ND		0.064
1,2,4-Trimethylbenzene	0.43		0.064
sec-Butylbenzene	ND		0.064
1,3-Dichlorobenzene	ND		0.064
p-Isopropyltoluene	ND		0.064
1,4-Dichlorobenzene	ND		0.064
1,2-Dichlorobenzene	ND		0.064
n-Butylbenzene	ND		0.064
1,2-Dibromo-3-chloropropane	ND		0.32
1,2,4-Trichlorobenzene	ND		0.064
Hexachlorobutadiene	ND		0.32
Naphthalene	1.0		0.064
1,2,3-Trichlorobenzene	ND		0.064

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	81	55-125
Toluene-d8	84	56-127
4-Bromofluorobenzene	80	54-130

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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1029S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: MB1029S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	84	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	79	54-130

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VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1029S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0473	95	0.0448	90	70-130	
Benzene	0.0500	0.0385	77	0.0379	76	70-128	
Trichloroethene	0.0500	0.0410	82	0.0417	83	70-124	
Toluene	0.0500	0.0398	80	0.0391	78	73-123	
Chlorobenzene	0.0500	0.0471	94	0.0468	94	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	5	16	
Benzene	2	15	
Trichloroethene	2	14	
Toluene	2	14	
Chlorobenzene	1	13	

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Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-228-05
Client ID: Containment-N Wall-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	0.034		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	0.0016		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	0.059		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: 10-228-05
Client ID: Containment-N Wall-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	0.71		0.070
m,p-Xylene	0.99		0.14
o-Xylene	0.21		0.070
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	0.035		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	0.061		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	0.023		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	0.057		0.0010
sec-Butylbenzene	0.0058		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	0.0018		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	0.0054		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	0.0070		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	92	55-125
Toluene-d8	94	56-127
4-Bromofluorobenzene	93	54-130

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Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-228-09
Client ID: Stockpile-C1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0059
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0059
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	0.028		0.0059
Iodomethane	ND		0.0059
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0059
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0059
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	ND		0.0059
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0059
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0059
Toluene	ND		0.0059
(trans) 1,3-Dichloropropene	ND		0.0012

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Lab ID: 10-228-09
Client ID: Stockpile-C1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0059
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	0.024		0.0012
m,p-Xylene	0.13		0.0024
o-Xylene	0.028		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	0.0039		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	0.0045		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	0.0030		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	0.0056		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	0.0012		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0059
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0059
Naphthalene	0.0020		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	93	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	86	54-130

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Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-228-11
Client ID: Stockpile-C2

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.12
Chloromethane	ND		0.62
Vinyl Chloride	ND		0.12
Bromomethane	ND		0.12
Chloroethane	ND		0.62
Trichlorofluoromethane	ND		0.12
1,1-Dichloroethene	ND		0.12
Acetone	ND		0.62
Iodomethane	ND		0.62
Carbon Disulfide	ND		0.12
Methylene Chloride	ND		0.62
(trans) 1,2-Dichloroethene	ND		0.12
Methyl t-Butyl Ether	ND		0.12
1,1-Dichloroethane	ND		0.12
Vinyl Acetate	ND		0.62
2,2-Dichloropropane	ND		0.12
(cis) 1,2-Dichloroethene	ND		0.12
2-Butanone	ND		0.62
Bromochloromethane	ND		0.12
Chloroform	ND		0.12
1,1,1-Trichloroethane	ND		0.12
Carbon Tetrachloride	ND		0.12
1,1-Dichloropropene	ND		0.12
Benzene	ND		0.12
1,2-Dichloroethane	ND		0.12
Trichloroethene	ND		0.12
1,2-Dichloropropane	ND		0.12
Dibromomethane	ND		0.12
Bromodichloromethane	ND		0.12
2-Chloroethyl Vinyl Ether	ND		0.62
(cis) 1,3-Dichloropropene	ND		0.12
Methyl Isobutyl Ketone	ND		0.62
Toluene	ND		0.62
(trans) 1,3-Dichloropropene	ND		0.12

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Lab ID: 10-228-11
Client ID: Stockpile-C2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.12
Tetrachloroethene	ND		0.12
1,3-Dichloropropane	ND		0.12
2-Hexanone	ND		0.62
Dibromochloromethane	ND		0.12
1,2-Dibromoethane	ND		0.12
Chlorobenzene	ND		0.12
1,1,1,2-Tetrachloroethane	ND		0.12
Ethylbenzene	3.7		0.12
m,p-Xylene	22		0.25
o-Xylene	4.6		0.12
Styrene	ND		0.12
Bromoform	ND		0.12
Isopropylbenzene	0.15		0.12
Bromobenzene	ND		0.12
1,1,2,2-Tetrachloroethane	ND		0.12
1,2,3-Trichloropropane	ND		0.12
n-Propylbenzene	0.22		0.12
2-Chlorotoluene	ND		0.12
4-Chlorotoluene	ND		0.12
1,3,5-Trimethylbenzene	0.32		0.12
tert-Butylbenzene	ND		0.12
1,2,4-Trimethylbenzene	1.0		0.12
sec-Butylbenzene	ND		0.12
1,3-Dichlorobenzene	ND		0.12
p-Isopropyltoluene	0.14		0.12
1,4-Dichlorobenzene	ND		0.12
1,2-Dichlorobenzene	ND		0.12
n-Butylbenzene	ND		0.12
1,2-Dibromo-3-chloropropane	ND		0.62
1,2,4-Trichlorobenzene	ND		0.12
Hexachlorobutadiene	ND		0.62
Naphthalene	0.17		0.12
1,2,3-Trichlorobenzene	ND		0.12

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	88	55-125
Toluene-d8	85	56-127
4-Bromofluorobenzene	84	54-130

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

VOLATILES by EPA 8260B
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Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-228-12
Client ID: Stockpile-C3

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0055
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0055
Trichlorofluoromethane	ND		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	0.019		0.0055
Iodomethane	ND		0.0055
Carbon Disulfide	ND		0.0011
Methylene Chloride	ND		0.0055
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0055
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	ND		0.0055
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0055
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	ND		0.0055
Toluene	ND		0.0055
(trans) 1,3-Dichloropropene	ND		0.0011

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Lab ID: 10-228-12
Client ID: Stockpile-C3

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	ND		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0055
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	0.079		0.0011
m,p-Xylene	0.33		0.12
o-Xylene	0.083		0.058
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	0.0055		0.0011
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	0.0067		0.0011
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	0.0066		0.0011
tert-Butylbenzene	ND		0.0011
1,2,4-Trimethylbenzene	0.016		0.0011
sec-Butylbenzene	0.0014		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	0.0016		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	0.0016		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0055
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0055
Naphthalene	ND		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	96	55-125
Toluene-d8	93	56-127
4-Bromofluorobenzene	92	54-130

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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1030S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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METHOD BLANK QUALITY CONTROL
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Lab ID: MB1030S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	94	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	85	54-130

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Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1030S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0433	87	0.0438	88	70-130	
Benzene	0.0500	0.0405	81	0.0408	82	70-128	
Trichloroethene	0.0500	0.0450	90	0.0409	82	70-124	
Toluene	0.0500	0.0456	91	0.0409	82	73-123	
Chlorobenzene	0.0500	0.0495	99	0.0468	94	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	1	16	
Benzene	1	15	
Trichloroethene	10	14	
Toluene	11	14	
Chlorobenzene	6	13	

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Laboratory Reference: 0910-228
Project: 14697

VOLATILES by EPA 8260B
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Date Extracted: 11-2-09
Date Analyzed: 11-2-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-228-01
Client ID: Tank1-B-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0062
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0062
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	0.028		0.0062
Iodomethane	ND		0.0062
Carbon Disulfide	0.0097		0.0012
Methylene Chloride	ND		0.0062
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0062
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	ND		0.0062
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0062
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0062
Toluene	ND		0.0062
(trans) 1,3-Dichloropropene	ND		0.0012

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Lab ID: 10-228-01
Client ID: Tank1-B-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0062
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	0.0090		0.0012
m,p-Xylene	0.011		0.0025
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	0.0072		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	0.0083		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	0.0013		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0062
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0062
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	96	55-125
Toluene-d8	90	56-127
4-Bromofluorobenzene	91	54-130

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Date Extracted: 11-2-09
Date Analyzed: 11-2-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-228-02
Client ID: Containment-S Wall-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		1.3
Chloromethane	ND		6.7
Vinyl Chloride	ND		1.3
Bromomethane	ND		1.3
Chloroethane	ND		6.7
Trichlorofluoromethane	ND		1.3
1,1-Dichloroethene	ND		1.3
Acetone	ND		6.7
Iodomethane	ND		6.7
Carbon Disulfide	ND		1.3
Methylene Chloride	ND		6.7
(trans) 1,2-Dichloroethene	ND		1.3
Methyl t-Butyl Ether	ND		1.3
1,1-Dichloroethane	ND		1.3
Vinyl Acetate	ND		6.7
2,2-Dichloropropane	ND		1.3
(cis) 1,2-Dichloroethene	ND		1.3
2-Butanone	ND		6.7
Bromochloromethane	ND		1.3
Chloroform	ND		1.3
1,1,1-Trichloroethane	ND		1.3
Carbon Tetrachloride	ND		1.3
1,1-Dichloropropene	ND		1.3
Benzene	ND		1.3
1,2-Dichloroethane	ND		1.3
Trichloroethene	ND		1.3
1,2-Dichloropropane	ND		1.3
Dibromomethane	ND		1.3
Bromodichloromethane	ND		1.3
2-Chloroethyl Vinyl Ether	ND		6.7
(cis) 1,3-Dichloropropene	ND		1.3
Methyl Isobutyl Ketone	ND		6.7
Toluene	ND		6.7
(trans) 1,3-Dichloropropene	ND		1.3

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Lab ID: 10-228-02
Client ID: Containment-S Wall-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		1.3
Tetrachloroethene	ND		1.3
1,3-Dichloropropane	ND		1.3
2-Hexanone	ND		6.7
Dibromochloromethane	ND		1.3
1,2-Dibromoethane	ND		1.3
Chlorobenzene	ND		1.3
1,1,1,2-Tetrachloroethane	ND		1.3
Ethylbenzene	41		1.3
m,p-Xylene	150		2.7
o-Xylene	28		1.3
Styrene	ND		1.3
Bromoform	ND		1.3
Isopropylbenzene	ND		1.3
Bromobenzene	ND		1.3
1,1,2,2-Tetrachloroethane	ND		1.3
1,2,3-Trichloropropane	ND		1.3
n-Propylbenzene	ND		1.3
2-Chlorotoluene	ND		1.3
4-Chlorotoluene	ND		1.3
1,3,5-Trimethylbenzene	1.4		1.3
tert-Butylbenzene	ND		1.3
1,2,4-Trimethylbenzene	2.5		1.3
sec-Butylbenzene	ND		1.3
1,3-Dichlorobenzene	ND		1.3
p-Isopropyltoluene	ND		1.3
1,4-Dichlorobenzene	ND		1.3
1,2-Dichlorobenzene	ND		1.3
n-Butylbenzene	ND		1.3
1,2-Dibromo-3-chloropropane	ND		6.7
1,2,4-Trichlorobenzene	ND		1.3
Hexachlorobutadiene	ND		6.7
Naphthalene	ND		1.3
1,2,3-Trichlorobenzene	ND		1.3

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	88	55-125
Toluene-d8	84	56-127
4-Bromofluorobenzene	83	54-130

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Date Extracted: 11-2-09
Date Analyzed: 11-2&3-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-228-04
Client ID: Tank2-B-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0013
Chloromethane	ND		0.0066
Vinyl Chloride	ND		0.0013
Bromomethane	ND		0.0013
Chloroethane	ND		0.0066
Trichlorofluoromethane	ND		0.0013
1,1-Dichloroethene	ND		0.0013
Acetone	0.055		0.0066
Iodomethane	ND		0.0066
Carbon Disulfide	0.0060		0.0013
Methylene Chloride	ND		0.0066
(trans) 1,2-Dichloroethene	ND		0.0013
Methyl t-Butyl Ether	ND		0.0013
1,1-Dichloroethane	ND		0.0013
Vinyl Acetate	ND		0.0066
2,2-Dichloropropane	ND		0.0013
(cis) 1,2-Dichloroethene	ND		0.0013
2-Butanone	ND		0.0066
Bromochloromethane	ND		0.0013
Chloroform	ND		0.0013
1,1,1-Trichloroethane	ND		0.0013
Carbon Tetrachloride	ND		0.0013
1,1-Dichloropropene	ND		0.0013
Benzene	ND		0.0013
1,2-Dichloroethane	ND		0.0013
Trichloroethene	ND		0.0013
1,2-Dichloropropane	ND		0.0013
Dibromomethane	ND		0.0013
Bromodichloromethane	ND		0.0013
2-Chloroethyl Vinyl Ether	ND		0.0066
(cis) 1,3-Dichloropropene	ND		0.0013
Methyl Isobutyl Ketone	ND		0.0066
Toluene	0.095		0.0066
(trans) 1,3-Dichloropropene	ND		0.0013

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Lab ID: 10-228-04
Client ID: Tank2-B-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0013
Tetrachloroethene	ND		0.0013
1,3-Dichloropropane	ND		0.0013
2-Hexanone	ND		0.0066
Dibromochloromethane	ND		0.0013
1,2-Dibromoethane	ND		0.0013
Chlorobenzene	ND		0.0013
1,1,1,2-Tetrachloroethane	ND		0.0013
Ethylbenzene	1.3		0.074
m,p-Xylene	2.6		0.15
o-Xylene	0.58		0.074
Styrene	ND		0.0013
Bromoform	ND		0.0013
Isopropylbenzene	0.12		0.0013
Bromobenzene	ND		0.0013
1,1,2,2-Tetrachloroethane	ND		0.0013
1,2,3-Trichloropropane	ND		0.0013
n-Propylbenzene	0.18		0.0013
2-Chlorotoluene	ND		0.0013
4-Chlorotoluene	ND		0.0013
1,3,5-Trimethylbenzene	0.13		0.0013
tert-Butylbenzene	0.0026		0.0013
1,2,4-Trimethylbenzene	0.11		0.074
sec-Butylbenzene	0.044		0.0013
1,3-Dichlorobenzene	ND		0.0013
p-Isopropyltoluene	0.014		0.0013
1,4-Dichlorobenzene	ND		0.0013
1,2-Dichlorobenzene	ND		0.0013
n-Butylbenzene	ND		0.0013
1,2-Dibromo-3-chloropropane	ND		0.0066
1,2,4-Trichlorobenzene	ND		0.0013
Hexachlorobutadiene	ND		0.0066
Naphthalene	0.18		0.0013
1,2,3-Trichlorobenzene	ND		0.0013

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	92	55-125
Toluene-d8	106	56-127
4-Bromofluorobenzene	130	54-130

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Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted: 11-2-09
Date Analyzed: 11-2-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1102S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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METHOD BLANK QUALITY CONTROL
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Lab ID: MB1102S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	90	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	86	54-130

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Samples Submitted: October 28, 2009
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VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Date Extracted: 11-2-09
Date Analyzed: 11-2-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-228-01

Compound	Sample Amount	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	ND	0.0485/0.0464	0.0357	73	0.0334	72	70-130	
Benzene	ND	0.0485/0.0464	0.0381	78	0.0369	80	70-130	
Trichloroethene	ND	0.0485/0.0464	0.0399	82	0.0394	85	70-124	
Toluene	ND	0.0485/0.0464	0.0385	79	0.0401	86	70-130	
Chlorobenzene	ND	0.0485/0.0464	0.0449	92	0.0433	93	72-127	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	1	14	
Benzene	3	17	
Trichloroethene	4	13	
Toluene	8	16	
Chlorobenzene	1	15	

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Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 10-228-03
Client ID: Contain-GW-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		100
Chloromethane	ND		500
Vinyl Chloride	ND		100
Bromomethane	ND		100
Chloroethane	ND		500
Trichlorofluoromethane	ND		100
1,1-Dichloroethene	ND		100
Acetone	ND		2500
Iodomethane	ND		500
Carbon Disulfide	ND		100
Methylene Chloride	ND		500
(trans) 1,2-Dichloroethene	ND		100
Methyl t-Butyl Ether	ND		100
1,1-Dichloroethane	ND		100
Vinyl Acetate	ND		1000
2,2-Dichloropropane	ND		100
(cis) 1,2-Dichloroethene	ND		100
2-Butanone	ND		2500
Bromochloromethane	ND		100
Chloroform	ND		100
1,1,1-Trichloroethane	ND		100
Carbon Tetrachloride	ND		100
1,1-Dichloropropene	ND		100
Benzene	ND		100
1,2-Dichloroethane	ND		100
Trichloroethene	ND		100
1,2-Dichloropropane	ND		100
Dibromomethane	ND		100
Bromodichloromethane	ND		100
2-Chloroethyl Vinyl Ether	ND		500
(cis) 1,3-Dichloropropene	ND		100
Methyl Isobutyl Ketone	ND		1000
Toluene	1200		500
(trans) 1,3-Dichloropropene	ND		100

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Lab ID: 10-228-03
Client ID: Contain-GW-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		100
Tetrachloroethene	ND		100
1,3-Dichloropropane	ND		100
2-Hexanone	ND		1000
Dibromochloromethane	ND		100
1,2-Dibromoethane	ND		100
Chlorobenzene	ND		100
1,1,1,2-Tetrachloroethane	ND		100
Ethylbenzene	13000		100
m,p-Xylene	45000		400
o-Xylene	12000		100
Styrene	ND		100
Bromoform	ND		500
Isopropylbenzene	100		100
Bromobenzene	ND		100
1,1,2,2-Tetrachloroethane	ND		100
1,2,3-Trichloropropane	ND		100
n-Propylbenzene	ND		100
2-Chlorotoluene	ND		100
4-Chlorotoluene	ND		100
1,3,5-Trimethylbenzene	120		100
tert-Butylbenzene	ND		100
1,2,4-Trimethylbenzene	430		100
sec-Butylbenzene	ND		100
1,3-Dichlorobenzene	ND		100
p-Isopropyltoluene	ND		100
1,4-Dichlorobenzene	ND		100
1,2-Dichlorobenzene	ND		100
n-Butylbenzene	ND		100
1,2-Dibromo-3-chloropropane	ND		500
1,2,4-Trichlorobenzene	ND		100
Hexachlorobutadiene	ND		100
Naphthalene	590		500
1,2,3-Trichlorobenzene	ND		100

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	105	71-126
Toluene-d8	95	76-116
4-Bromofluorobenzene	94	70-123

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Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 10-228-13
Client ID: Trip Blank

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	0.31		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Lab ID: 10-228-13
Client ID: Trip Blank

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	104	71-126
Toluene-d8	97	76-116
4-Bromofluorobenzene	82	70-123

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METHOD BLANK QUALITY CONTROL
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Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1030W2

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Lab ID: MB1030W2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	99	71-126
Toluene-d8	95	76-116
4-Bromofluorobenzene	83	70-123

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VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB1030W2

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	10.0	10.6	106	10.8	108	70-130	
Benzene	10.0	10.9	109	11.3	113	70-130	
Trichloroethene	10.0	10.3	103	10.3	103	70-123	
Toluene	10.0	10.8	108	11.1	111	77-120	
Chlorobenzene	10.0	9.28	93	9.44	94	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	2	21	
Benzene	4	18	
Trichloroethene	0	18	
Toluene	3	17	
Chlorobenzene	2	18	

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Date Extracted: 11-3-09
Date Analyzed: 11-4-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-228-06
Client ID: Containment-E Wall-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.065
Chloromethane	ND		0.33
Vinyl Chloride	ND		0.065
Bromomethane	ND		0.065
Chloroethane	ND		0.33
Trichlorofluoromethane	ND		0.065
1,1-Dichloroethene	ND		0.065
Acetone	ND		0.33
Iodomethane	ND		0.33
Carbon Disulfide	ND		0.065
Methylene Chloride	ND		0.33
(trans) 1,2-Dichloroethene	ND		0.065
Methyl t-Butyl Ether	ND		0.065
1,1-Dichloroethane	ND		0.065
Vinyl Acetate	ND		0.33
2,2-Dichloropropane	ND		0.065
(cis) 1,2-Dichloroethene	ND		0.065
2-Butanone	ND		0.33
Bromochloromethane	ND		0.065
Chloroform	ND		0.065
1,1,1-Trichloroethane	ND		0.065
Carbon Tetrachloride	ND		0.065
1,1-Dichloropropene	ND		0.065
Benzene	ND		0.065
1,2-Dichloroethane	ND		0.065
Trichloroethene	ND		0.065
1,2-Dichloropropane	ND		0.065
Dibromomethane	ND		0.065
Bromodichloromethane	ND		0.065
2-Chloroethyl Vinyl Ether	ND		0.33
(cis) 1,3-Dichloropropene	ND		0.065
Methyl Isobutyl Ketone	ND		0.33
Toluene	ND		0.33
(trans) 1,3-Dichloropropene	ND		0.065

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Lab ID: 10-228-06
Client ID: Containment-E Wall-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.065
Tetrachloroethene	ND		0.065
1,3-Dichloropropane	ND		0.065
2-Hexanone	ND		0.33
Dibromochloromethane	ND		0.065
1,2-Dibromoethane	ND		0.065
Chlorobenzene	ND		0.065
1,1,1,2-Tetrachloroethane	ND		0.065
Ethylbenzene	0.50		0.065
m,p-Xylene	1.0		0.13
o-Xylene	ND		0.065
Styrene	ND		0.065
Bromoform	ND		0.065
Isopropylbenzene	1.5		0.065
Bromobenzene	ND		0.065
1,1,2,2-Tetrachloroethane	ND		0.065
1,2,3-Trichloropropane	ND		0.065
n-Propylbenzene	2.2		0.065
2-Chlorotoluene	ND		0.065
4-Chlorotoluene	ND		0.065
1,3,5-Trimethylbenzene	ND		0.065
tert-Butylbenzene	ND		0.065
1,2,4-Trimethylbenzene	0.14		0.065
sec-Butylbenzene	0.38		0.065
1,3-Dichlorobenzene	ND		0.065
p-Isopropyltoluene	ND		0.065
1,4-Dichlorobenzene	ND		0.065
1,2-Dichlorobenzene	ND		0.065
n-Butylbenzene	0.52		0.065
1,2-Dibromo-3-chloropropane	ND		0.33
1,2,4-Trichlorobenzene	ND		0.065
Hexachlorobutadiene	ND		0.33
Naphthalene	0.075		0.065
1,2,3-Trichlorobenzene	ND		0.065

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	88	55-125
Toluene-d8	91	56-127
4-Bromofluorobenzene	83	54-130

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Date Extracted: 11-3&4-09
Date Analyzed: 11-3&4-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-228-07
Client ID: Containment-W Wall-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0013
Chloromethane	ND		0.0065
Vinyl Chloride	ND		0.0013
Bromomethane	ND		0.0013
Chloroethane	ND		0.0065
Trichlorofluoromethane	ND		0.0013
1,1-Dichloroethene	ND		0.0013
Acetone	0.15		0.0065
Iodomethane	ND		0.0065
Carbon Disulfide	ND		0.0013
Methylene Chloride	ND		0.0065
(trans) 1,2-Dichloroethene	ND		0.0013
Methyl t-Butyl Ether	ND		0.0013
1,1-Dichloroethane	ND		0.0013
Vinyl Acetate	ND		0.0065
2,2-Dichloropropane	ND		0.0013
(cis) 1,2-Dichloroethene	ND		0.0013
2-Butanone	ND		0.0065
Bromochloromethane	ND		0.0013
Chloroform	ND		0.0013
1,1,1-Trichloroethane	ND		0.0013
Carbon Tetrachloride	ND		0.0013
1,1-Dichloropropene	ND		0.0013
Benzene	0.0020		0.0013
1,2-Dichloroethane	ND		0.0013
Trichloroethene	ND		0.0013
1,2-Dichloropropane	ND		0.0013
Dibromomethane	ND		0.0013
Bromodichloromethane	ND		0.0013
2-Chloroethyl Vinyl Ether	ND		0.0065
(cis) 1,3-Dichloropropene	ND		0.0013
Methyl Isobutyl Ketone	ND		0.0065
Toluene	ND		0.0065
(trans) 1,3-Dichloropropene	ND		0.0013

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Lab ID: 10-228-07
Client ID: Containment-W Wall-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0013
Tetrachloroethene	ND		0.0013
1,3-Dichloropropane	ND		0.0013
2-Hexanone	ND		0.0065
Dibromochloromethane	ND		0.0013
1,2-Dibromoethane	ND		0.0013
Chlorobenzene	ND		0.0013
1,1,1,2-Tetrachloroethane	ND		0.0013
Ethylbenzene	0.072		0.0013
m,p-Xylene	0.25		0.13
o-Xylene	0.11		0.0013
Styrene	ND		0.0013
Bromoform	ND		0.0013
Isopropylbenzene	0.044		0.0013
Bromobenzene	ND		0.0013
1,1,2,2-Tetrachloroethane	ND		0.0013
1,2,3-Trichloropropane	ND		0.0013
n-Propylbenzene	0.047		0.0013
2-Chlorotoluene	ND		0.0013
4-Chlorotoluene	ND		0.0013
1,3,5-Trimethylbenzene	0.029		0.0013
tert-Butylbenzene	0.0022		0.0013
1,2,4-Trimethylbenzene	0.057		0.0013
sec-Butylbenzene	0.017		0.0013
1,3-Dichlorobenzene	ND		0.0013
p-Isopropyltoluene	0.0040		0.0013
1,4-Dichlorobenzene	ND		0.0013
1,2-Dichlorobenzene	ND		0.0013
n-Butylbenzene	ND		0.0013
1,2-Dibromo-3-chloropropane	ND		0.0065
1,2,4-Trichlorobenzene	ND		0.0013
Hexachlorobutadiene	ND		0.0065
Naphthalene	0.013		0.0013
1,2,3-Trichlorobenzene	ND		0.0013

Surrogate	Percent Recovery		Control Limits
Dibromofluoromethane	92		55-125
Toluene-d8	102		56-127
4-Bromofluorobenzene	157	Q	54-130

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
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Project: 14697

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Date Extracted: 11-3&4-09
Date Analyzed: 11-3&4-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-228-08
Client ID: Pipe-1-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0019
Chloromethane	ND		0.0097
Vinyl Chloride	ND		0.0019
Bromomethane	ND		0.0019
Chloroethane	ND		0.0097
Trichlorofluoromethane	ND		0.0019
1,1-Dichloroethene	ND		0.0019
Acetone	ND		0.0097
Iodomethane	ND		0.0097
Carbon Disulfide	ND		0.0019
Methylene Chloride	ND		0.0097
(trans) 1,2-Dichloroethene	ND		0.0019
Methyl t-Butyl Ether	ND		0.0019
1,1-Dichloroethane	ND		0.0019
Vinyl Acetate	ND		0.0097
2,2-Dichloropropane	ND		0.0019
(cis) 1,2-Dichloroethene	ND		0.0019
2-Butanone	ND		0.0097
Bromochloromethane	ND		0.0019
Chloroform	ND		0.0019
1,1,1-Trichloroethane	ND		0.0019
Carbon Tetrachloride	ND		0.0019
1,1-Dichloropropene	ND		0.0019
Benzene	0.0036		0.0019
1,2-Dichloroethane	ND		0.0019
Trichloroethene	ND		0.0019
1,2-Dichloropropane	ND		0.0019
Dibromomethane	ND		0.0019
Bromodichloromethane	ND		0.0019
2-Chloroethyl Vinyl Ether	ND		0.0097
(cis) 1,3-Dichloropropene	ND		0.0019
Methyl Isobutyl Ketone	ND		0.0097
Toluene	0.020		0.0097
(trans) 1,3-Dichloropropene	ND		0.0019

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Lab ID: 10-228-08
Client ID: Pipe-1-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0019
Tetrachloroethene	0.0038		0.0019
1,3-Dichloropropane	ND		0.0019
2-Hexanone	ND		0.0097
Dibromochloromethane	ND		0.0019
1,2-Dibromoethane	ND		0.0019
Chlorobenzene	ND		0.0019
1,1,1,2-Tetrachloroethane	ND		0.0019
Ethylbenzene	0.34		0.27
m,p-Xylene	1.2		0.54
o-Xylene	0.31		0.27
Styrene	ND		0.0019
Bromoform	ND		0.0019
Isopropylbenzene	0.018		0.0019
Bromobenzene	ND		0.0019
1,1,2,2-Tetrachloroethane	ND		0.0019
1,2,3-Trichloropropane	ND		0.0019
n-Propylbenzene	ND		0.0019
2-Chlorotoluene	ND		0.0019
4-Chlorotoluene	ND		0.0019
1,3,5-Trimethylbenzene	ND		0.0019
tert-Butylbenzene	ND		0.0019
1,2,4-Trimethylbenzene	ND		0.0019
sec-Butylbenzene	ND		0.0019
1,3-Dichlorobenzene	ND		0.0019
p-Isopropyltoluene	ND		0.0019
1,4-Dichlorobenzene	ND		0.0019
1,2-Dichlorobenzene	ND		0.0019
n-Butylbenzene	ND		0.0019
1,2-Dibromo-3-chloropropane	ND		0.0097
1,2,4-Trichlorobenzene	ND		0.0019
Hexachlorobutadiene	ND		0.0097
Naphthalene	ND		0.0019
1,2,3-Trichlorobenzene	ND		0.0019

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	95	55-125
Toluene-d8	93	56-127
4-Bromofluorobenzene	82	54-130

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted: 11-3-09
Date Analyzed: 11-3-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1103S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Lab ID: MB1103S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	101	55-125
Toluene-d8	93	56-127
4-Bromofluorobenzene	84	54-130

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METHOD BLANK QUALITY CONTROL
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Date Extracted: 11-4-09
Date Analyzed: 11-4-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1104S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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METHOD BLANK QUALITY CONTROL
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Lab ID: MB1104S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	95	55-125
Toluene-d8	94	56-127
4-Bromofluorobenzene	87	54-130

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
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VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 11-3-09
Date Analyzed: 11-3-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1103S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0547	109	0.0566	113	70-130	
Benzene	0.0500	0.0478	96	0.0480	96	70-128	
Trichloroethene	0.0500	0.0503	101	0.0500	100	70-124	
Toluene	0.0500	0.0478	96	0.0471	94	73-123	
Chlorobenzene	0.0500	0.0533	107	0.0512	102	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	3	16	
Benzene	0	15	
Trichloroethene	1	14	
Toluene	1	14	
Chlorobenzene	4	13	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
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VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 11-4-09
Date Analyzed: 11-4-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1104S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0536	107	0.0556	111	70-130	
Benzene	0.0500	0.0469	94	0.0470	94	70-128	
Trichloroethene	0.0500	0.0495	99	0.0486	97	70-124	
Toluene	0.0500	0.0477	95	0.0470	94	73-123	
Chlorobenzene	0.0500	0.0511	102	0.0488	98	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	4	16	
Benzene	0	15	
Trichloroethene	2	14	
Toluene	1	14	
Chlorobenzene	5	13	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**PCS-2**					
Laboratory ID:	10-228-10					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Pyridine	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Phenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Aniline	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Hexachloroethane	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Nitrobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Isophorone	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,4-Dimethylphenol	**0.36**	0.037	EPA 8270	10-29-09	10-29-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Naphthalene	**0.41**	0.037	EPA 8270	10-29-09	10-29-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2-Methylnaphthalene	**0.19**	0.037	EPA 8270	10-29-09	10-29-09	
1-Methylnaphthalene	**0.093**	0.037	EPA 8270	10-29-09	10-29-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Acenaphthylene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	10-29-09	10-29-09	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**PCS-2**					
Laboratory ID:	10-228-10					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-29-09	10-29-09	
Acenaphthene	**1.0**	0.037	EPA 8270	10-29-09	10-29-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Dibenzofuran	**0.70**	0.037	EPA 8270	10-29-09	10-29-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Diethylphthalate	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Fluorene	**1.1**	0.037	EPA 8270	10-29-09	10-29-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-29-09	10-29-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-29-09	10-29-09	
Phenanthrene	**5.2**	0.37	EPA 8270	10-29-09	10-30-09	
Anthracene	**1.6**	0.037	EPA 8270	10-29-09	10-29-09	
Carbazole	**0.57**	0.037	EPA 8270	10-29-09	10-29-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Fluoranthene	**3.5**	0.37	EPA 8270	10-29-09	10-30-09	
Benzidine	**ND**	0.37	EPA 8270	10-29-09	10-29-09	
Pyrene	**2.7**	0.37	EPA 8270	10-29-09	10-30-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	10-29-09	10-29-09	
Benzo[a]anthracene	**0.85**	0.037	EPA 8270	10-29-09	10-29-09	
Chrysene	**0.90**	0.037	EPA 8270	10-29-09	10-29-09	
bis(2-Ethylhexyl)phthalate	**0.050**	0.037	EPA 8270	10-29-09	10-29-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Benzo[b]fluoranthene	**0.88**	0.037	EPA 8270	10-29-09	10-29-09	
Benzo[k]fluoranthene	**0.35**	0.037	EPA 8270	10-29-09	10-29-09	
Benzo[a]pyrene	**0.73**	0.037	EPA 8270	10-29-09	10-29-09	
Indeno[1,2,3-cd]pyrene	**0.44**	0.037	EPA 8270	10-29-09	10-29-09	
Dibenz[a,h]anthracene	**0.13**	0.037	EPA 8270	10-29-09	10-29-09	
Benzo[g,h,i]perylene	**0.45**	0.037	EPA 8270	10-29-09	10-29-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*66*	*19 - 97*				
Phenol-d6	*76*	*22 - 108*				
Nitrobenzene-d5	*70*	*21 - 106*				
2-Fluorobiphenyl	*78*	*29 - 107*				
2,4,6-Tribromophenol	*83*	*44 - 121*				
Terphenyl-d14	*77*	*37 - 120*				

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1029S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Pyridine	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Phenol	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Aniline	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Hexachloroethane	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Nitrobenzene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Isophorone	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	10-29-09	10-29-09	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1029S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	10-29-09	10-29-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Dibenzofuran	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Diethylphthalate	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	10-29-09	10-29-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	10-29-09	10-29-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
Carbazole	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
Benzidine	**ND**	0.33	EPA 8270	10-29-09	10-29-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	10-29-09	10-29-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*67*	*19 - 97*				
Phenol-d6	*73*	*22 - 108*				
Nitrobenzene-d5	*70*	*21 - 106*				
2-Fluorobiphenyl	*77*	*29 - 107*				
2,4,6-Tribromophenol	*86*	*44 - 121*				
Terphenyl-d14	*87*	*37 - 120*				

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-228-11										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**1.06**	**0.970**	1.33	1.33	ND	80	73	38 - 97	9	30	
2-Chlorophenol	**0.989**	**0.936**	1.33	1.33	ND	74	70	28 - 102	6	38	
1,4-Dichlorobenzene	**0.459**	**0.456**	0.667	0.667	ND	69	68	14 - 84	1	41	
N-Nitroso-di-n-propylamine	**0.547**	**0.523**	0.667	0.667	ND	82	78	25 - 104	4	39	
1,2,4-Trichlorobenzene	**0.475**	**0.474**	0.667	0.667	ND	71	71	23 - 93	0	37	
4-Chloro-3-methylphenol	**1.19**	**1.06**	1.33	1.33	ND	89	80	49 - 113	12	31	
Acenaphthene	**0.603**	**0.578**	0.667	0.667	0.123	72	68	37 - 101	4	40	
4-Nitrophenol	**1.08**	**1.10**	1.33	1.33	ND	81	83	30 - 136	2	31	
2,4-Dinitrotoluene	**0.504**	**0.499**	0.667	0.667	ND	76	75	36 - 122	1	32	
Pentachlorophenol	**1.22**	**1.22**	1.33	1.33	ND	92	92	15 - 143	0	34	
Pyrene	**0.787**	**0.762**	0.667	0.667	0.301	73	69	24 - 138	3	39	
Surrogate:											
2-Fluorophenol						*62*	*61*	*19 - 97*			
Phenol-d6						*70*	*66*	*22 - 108*			
Nitrobenzene-d5						*67*	*65*	*21 - 106*			
2-Fluorobiphenyl						*73*	*72*	*29 - 107*			
2,4,6-Tribromophenol						*75*	*72*	*44 - 121*			
Terphenyl-d14						*70*	*69*	*37 - 120*			

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Containment-N Wall-1009**					
Laboratory ID:	10-228-05					
N-Nitrosodimethylamine	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
Pyridine	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
Phenol	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
Aniline	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
bis(2-Chloroethyl)ether	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
2-Chlorophenol	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
1,3-Dichlorobenzene	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
1,4-Dichlorobenzene	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
Benzyl alcohol	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
1,2-Dichlorobenzene	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
2-Methylphenol (o-Cresol)	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
bis(2-Chloroisopropyl)ether	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
N-Nitroso-di-n-propylamine	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
Hexachloroethane	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
Nitrobenzene	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
Isophorone	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
2-Nitrophenol	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
2,4-Dimethylphenol	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
bis(2-Chloroethoxy)methane	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
2,4-Dichlorophenol	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
1,2,4-Trichlorobenzene	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
Naphthalene	**ND**	0.0083	EPA 8270/SIM	10-29-09	10-30-09	
4-Chloroaniline	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
Hexachlorobutadiene	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
4-Chloro-3-methylphenol	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
2-Methylnaphthalene	**ND**	0.0083	EPA 8270/SIM	10-29-09	10-30-09	
1-Methylnaphthalene	**ND**	0.0083	EPA 8270/SIM	10-29-09	10-30-09	
Hexachlorocyclopentadiene	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
2,4,6-Trichlorophenol	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
2,3-Dichloroaniline	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
2,4,5-Trichlorophenol	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
2-Chloronaphthalene	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
2-Nitroaniline	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
1,4-Dinitrobenzene	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
Dimethylphthalate	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
1,3-Dinitrobenzene	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
2,6-Dinitrotoluene	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
1,2-Dinitrobenzene	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
Acenaphthylene	**ND**	0.0083	EPA 8270/SIM	10-29-09	10-30-09	
3-Nitroaniline	**ND**	0.042	EPA 8270	10-29-09	10-29-09	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Containment-N Wall-1009**					
Laboratory ID:	10-228-05					
2,4-Dinitrophenol	**ND**	0.21	EPA 8270	10-29-09	10-29-09	
Acenaphthene	**ND**	0.0083	EPA 8270/SIM	10-29-09	10-30-09	
4-Nitrophenol	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
2,4-Dinitrotoluene	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
Dibenzofuran	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
Diethylphthalate	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
4-Chlorophenyl-phenylether	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
4-Nitroaniline	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
Fluorene	**ND**	0.0083	EPA 8270/SIM	10-29-09	10-30-09	
4,6-Dinitro-2-methylphenol	**ND**	0.21	EPA 8270	10-29-09	10-29-09	
N-Nitrosodiphenylamine	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
1,2-Diphenylhydrazine	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
4-Bromophenyl-phenylether	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
Hexachlorobenzene	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
Pentachlorophenol	**ND**	0.21	EPA 8270	10-29-09	10-29-09	
Phenanthrene	**ND**	0.0083	EPA 8270/SIM	10-29-09	10-30-09	
Anthracene	**ND**	0.0083	EPA 8270/SIM	10-29-09	10-30-09	
Carbazole	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
Di-n-butylphthalate	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
Fluoranthene	**ND**	0.0083	EPA 8270/SIM	10-29-09	10-30-09	
Benzidine	**ND**	0.42	EPA 8270	10-29-09	10-29-09	
Pyrene	**ND**	0.0083	EPA 8270/SIM	10-29-09	10-30-09	
Butylbenzylphthalate	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
bis-2-Ethylhexyladipate	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
3,3'-Dichlorobenzidine	**ND**	0.42	EPA 8270	10-29-09	10-29-09	
Benzo[a]anthracene	**ND**	0.0083	EPA 8270/SIM	10-29-09	10-30-09	
Chrysene	**ND**	0.0083	EPA 8270/SIM	10-29-09	10-30-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
Di-n-octylphthalate	**ND**	0.042	EPA 8270	10-29-09	10-29-09	
Benzo[b]fluoranthene	**ND**	0.0083	EPA 8270/SIM	10-29-09	10-30-09	
Benzo[k]fluoranthene	**ND**	0.0083	EPA 8270/SIM	10-29-09	10-30-09	
Benzo[a]pyrene	**ND**	0.0083	EPA 8270/SIM	10-29-09	10-30-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0083	EPA 8270/SIM	10-29-09	10-30-09	
Dibenz[a,h]anthracene	**ND**	0.0083	EPA 8270/SIM	10-29-09	10-30-09	
Benzo[g,h,i]perylene	**ND**	0.0083	EPA 8270/SIM	10-29-09	10-30-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*59*	*19 - 97*				
Phenol-d6	*67*	*22 - 108*				
Nitrobenzene-d5	*59*	*21 - 106*				
2-Fluorobiphenyl	*68*	*29 - 107*				
2,4,6-Tribromophenol	*82*	*44 - 121*				
Terphenyl-d14	*82*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-C1**					
Laboratory ID:	10-228-09					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Pyridine	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Phenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Aniline	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Hexachloroethane	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Nitrobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Isophorone	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Naphthalene	**0.013**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2-Methylnaphthalene	**0.0084**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
1-Methylnaphthalene	**ND**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Acenaphthylene	**ND**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	10-29-09	10-29-09	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-C1**					
Laboratory ID:	10-228-09					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-29-09	10-29-09	
Acenaphthene	**0.016**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Dibenzofuran	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Diethylphthalate	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Fluorene	**0.016**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-29-09	10-29-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-29-09	10-29-09	
Phenanthrene	**0.089**	0.037	EPA 8270	10-29-09	10-29-09	
Anthracene	**0.029**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
Carbazole	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Fluoranthene	**0.082**	0.037	EPA 8270	10-29-09	10-29-09	
Benzidine	**ND**	0.37	EPA 8270	10-29-09	10-29-09	
Pyrene	**0.074**	0.037	EPA 8270	10-29-09	10-29-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	10-29-09	10-29-09	
Benzo[a]anthracene	**0.028**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
Chrysene	**0.045**	0.037	EPA 8270	10-29-09	10-29-09	
bis(2-Ethylhexyl)phthalate	**0.11**	0.037	EPA 8270	10-29-09	10-29-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Benzo[b]fluoranthene	**0.047**	0.037	EPA 8270	10-29-09	10-29-09	
Benzo[k]fluoranthene	**0.010**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
Benzo[a]pyrene	**0.027**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
Indeno[1,2,3-cd]pyrene	**0.024**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
Dibenz[a,h]anthracene	**0.0084**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
Benzo[g,h,i]perylene	**0.030**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*57*	*19 - 97*				
Phenol-d6	*64*	*22 - 108*				
Nitrobenzene-d5	*61*	*21 - 106*				
2-Fluorobiphenyl	*66*	*29 - 107*				
2,4,6-Tribromophenol	*66*	*44 - 121*				
Terphenyl-d14	*64*	*37 - 120*				

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-C2**					
Laboratory ID:	10-228-11					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Pyridine	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Phenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Aniline	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Hexachloroethane	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Nitrobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Isophorone	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Naphthalene	**0.13**	0.037	EPA 8270	10-29-09	10-29-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2-Methylnaphthalene	**0.051**	0.037	EPA 8270	10-29-09	10-29-09	
1-Methylnaphthalene	**0.022**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Acenaphthylene	**ND**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	10-29-09	10-29-09	

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Date of Report: November 11, 2009
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Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-C2**					
Laboratory ID:	10-228-11					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-29-09	10-29-09	
Acenaphthene	**0.14**	0.037	EPA 8270	10-29-09	10-29-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Dibenzofuran	**0.080**	0.037	EPA 8270	10-29-09	10-29-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Diethylphthalate	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Fluorene	**0.13**	0.037	EPA 8270	10-29-09	10-29-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-29-09	10-29-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-29-09	10-29-09	
Phenanthrene	**0.59**	0.037	EPA 8270	10-29-09	10-29-09	
Anthracene	**0.17**	0.037	EPA 8270	10-29-09	10-29-09	
Carbazole	**0.039**	0.037	EPA 8270	10-29-09	10-29-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Fluoranthene	**0.43**	0.037	EPA 8270	10-29-09	10-29-09	
Benzidine	**ND**	0.37	EPA 8270	10-29-09	10-29-09	
Pyrene	**0.33**	0.037	EPA 8270	10-29-09	10-29-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	10-29-09	10-29-09	
Benzo[a]anthracene	**0.12**	0.037	EPA 8270	10-29-09	10-29-09	
Chrysene	**0.15**	0.037	EPA 8270	10-29-09	10-29-09	
bis(2-Ethylhexyl)phthalate	**0.15**	0.037	EPA 8270	10-29-09	10-29-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Benzo[b]fluoranthene	**0.14**	0.037	EPA 8270	10-29-09	10-29-09	
Benzo[k]fluoranthene	**0.056**	0.037	EPA 8270	10-29-09	10-29-09	
Benzo[a]pyrene	**0.11**	0.037	EPA 8270	10-29-09	10-29-09	
Indeno[1,2,3-cd]pyrene	**0.076**	0.037	EPA 8270	10-29-09	10-29-09	
Dibenz[a,h]anthracene	**0.023**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
Benzo[g,h,i]perylene	**0.084**	0.037	EPA 8270	10-29-09	10-29-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*61*	*19 - 97*				
Phenol-d6	*75*	*22 - 108*				
Nitrobenzene-d5	*67*	*21 - 106*				
2-Fluorobiphenyl	*78*	*29 - 107*				
2,4,6-Tribromophenol	*82*	*44 - 121*				
Terphenyl-d14	*77*	*37 - 120*				

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Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-C3**					
Laboratory ID:	10-228-12					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Pyridine	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Phenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Aniline	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Hexachloroethane	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Nitrobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Isophorone	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Naphthalene	**0.013**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2-Methylnaphthalene	**ND**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
1-Methylnaphthalene	**ND**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Acenaphthylene	**ND**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	10-29-09	10-29-09	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-C3**					
Laboratory ID:	10-228-12					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-29-09	10-29-09	
Acenaphthene	**0.012**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Dibenzofuran	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Diethylphthalate	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Fluorene	**0.012**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-29-09	10-29-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-29-09	10-29-09	
Phenanthrene	**0.069**	0.037	EPA 8270	10-29-09	10-29-09	
Anthracene	**0.021**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
Carbazole	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Fluoranthene	**0.068**	0.037	EPA 8270	10-29-09	10-29-09	
Benzidine	**ND**	0.37	EPA 8270	10-29-09	10-29-09	
Pyrene	**0.063**	0.037	EPA 8270	10-29-09	10-29-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	10-29-09	10-29-09	
Benzo[a]anthracene	**0.023**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
Chrysene	**0.037**	0.037	EPA 8270	10-29-09	10-29-09	
bis(2-Ethylhexyl)phthalate	**0.97**	0.037	EPA 8270	10-29-09	10-29-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	10-29-09	10-29-09	
Benzo[b]fluoranthene	**0.049**	0.037	EPA 8270	10-29-09	10-29-09	
Benzo[k]fluoranthene	**0.011**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
Benzo[a]pyrene	**0.028**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
Indeno[1,2,3-cd]pyrene	**0.026**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
Dibenz[a,h]anthracene	**0.0084**	0.0074	EPA 8270/SIM	10-29-09	10-30-09	
Benzo[g,h,i]perylene	**0.041**	0.037	EPA 8270	10-29-09	10-29-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*67*	*19 - 97*				
Phenol-d6	*71*	*22 - 108*				
Nitrobenzene-d5	*67*	*21 - 106*				
2-Fluorobiphenyl	*73*	*29 - 107*				
2,4,6-Tribromophenol	*73*	*44 - 121*				
Terphenyl-d14	*70*	*37 - 120*				

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1029S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Pyridine	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Phenol	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Aniline	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Hexachloroethane	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Nitrobenzene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Isophorone	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	10-29-09	10-29-09	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1029S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	10-29-09	10-29-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Dibenzofuran	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Diethylphthalate	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	10-29-09	10-29-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	10-29-09	10-29-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
Carbazole	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
Benzidine	**ND**	0.33	EPA 8270	10-29-09	10-29-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	10-29-09	10-29-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	10-29-09	10-29-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	10-29-09	10-30-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*67*	*19 - 97*				
Phenol-d6	*73*	*22 - 108*				
Nitrobenzene-d5	*70*	*21 - 106*				
2-Fluorobiphenyl	*77*	*29 - 107*				
2,4,6-Tribromophenol	*86*	*44 - 121*				
Terphenyl-d14	*87*	*37 - 120*				

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-228-11										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**1.06**	**0.970**	1.33	1.33	ND	80	73	38 - 97	9	30	
2-Chlorophenol	**0.989**	**0.936**	1.33	1.33	ND	74	70	28 - 102	6	38	
1,4-Dichlorobenzene	**0.459**	**0.456**	0.667	0.667	ND	69	68	14 - 84	1	41	
N-Nitroso-di-n-propylamine	**0.547**	**0.523**	0.667	0.667	ND	82	78	25 - 104	4	39	
1,2,4-Trichlorobenzene	**0.475**	**0.474**	0.667	0.667	ND	71	71	23 - 93	0	37	
4-Chloro-3-methylphenol	**1.19**	**1.06**	1.33	1.33	ND	89	80	49 - 113	12	31	
Acenaphthene	**0.603**	**0.578**	0.667	0.667	0.123	72	68	37 - 101	4	40	
4-Nitrophenol	**1.08**	**1.10**	1.33	1.33	ND	81	83	30 - 136	2	31	
2,4-Dinitrotoluene	**0.504**	**0.499**	0.667	0.667	ND	76	75	36 - 122	1	32	
Pentachlorophenol	**1.22**	**1.22**	1.33	1.33	ND	92	92	15 - 143	0	34	
Pyrene	**0.787**	**0.762**	0.667	0.667	0.301	73	69	24 - 138	3	39	
Surrogate:											
2-Fluorophenol						*62*	*61*	*19 - 97*			
Phenol-d6						*70*	*66*	*22 - 108*			
Nitrobenzene-d5						*67*	*65*	*21 - 106*			
2-Fluorobiphenyl						*73*	*72*	*29 - 107*			
2,4,6-Tribromophenol						*75*	*72*	*44 - 121*			
Terphenyl-d14						*70*	*69*	*37 - 120*			

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Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank1-B-1009**					
Laboratory ID:	10-228-01					
N-Nitrosodimethylamine	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
Pyridine	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
Phenol	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
Aniline	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
bis(2-Chloroethyl)ether	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
2-Chlorophenol	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
1,3-Dichlorobenzene	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
1,4-Dichlorobenzene	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
Benzyl alcohol	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
1,2-Dichlorobenzene	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
2-Methylphenol (o-Cresol)	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
bis(2-Chloroisopropyl)ether	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
N-Nitroso-di-n-propylamine	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
Hexachloroethane	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
Nitrobenzene	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
Isophorone	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
2-Nitrophenol	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
2,4-Dimethylphenol	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
bis(2-Chloroethoxy)methane	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
2,4-Dichlorophenol	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
1,2,4-Trichlorobenzene	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
Naphthalene	**0.060**	0.043	EPA 8270	11-2-09	11-4-09	
4-Chloroaniline	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
Hexachlorobutadiene	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
4-Chloro-3-methylphenol	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
2-Methylnaphthalene	**0.30**	0.043	EPA 8270	11-2-09	11-4-09	
1-Methylnaphthalene	**0.18**	0.043	EPA 8270	11-2-09	11-4-09	
Hexachlorocyclopentadiene	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
2,4,6-Trichlorophenol	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
2,3-Dichloroaniline	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
2,4,5-Trichlorophenol	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
2-Chloronaphthalene	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
2-Nitroaniline	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
1,4-Dinitrobenzene	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
Dimethylphthalate	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
1,3-Dinitrobenzene	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
2,6-Dinitrotoluene	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
1,2-Dinitrobenzene	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
Acenaphthylene	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
3-Nitroaniline	**ND**	0.043	EPA 8270	11-2-09	11-4-09	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank1-B-1009**					
Laboratory ID:	10-228-01					
2,4-Dinitrophenol	**ND**	0.22	EPA 8270	11-2-09	11-4-09	
Acenaphthene	**0.69**	0.043	EPA 8270	11-2-09	11-4-09	
4-Nitrophenol	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
2,4-Dinitrotoluene	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
Dibenzofuran	**0.17**	0.043	EPA 8270	11-2-09	11-4-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
Diethylphthalate	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
4-Chlorophenyl-phenylether	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
4-Nitroaniline	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
Fluorene	**0.27**	0.043	EPA 8270	11-2-09	11-4-09	
4,6-Dinitro-2-methylphenol	**ND**	0.22	EPA 8270	11-2-09	11-4-09	
N-Nitrosodiphenylamine	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
1,2-Diphenylhydrazine	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
4-Bromophenyl-phenylether	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
Hexachlorobenzene	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
Pentachlorophenol	**ND**	0.22	EPA 8270	11-2-09	11-4-09	
Phenanthrene	**0.22**	0.043	EPA 8270	11-2-09	11-4-09	
Anthracene	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
Carbazole	**0.33**	0.043	EPA 8270	11-2-09	11-4-09	
Di-n-butylphthalate	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
Fluoranthene	**0.095**	0.043	EPA 8270	11-2-09	11-4-09	
Benzidine	**ND**	0.43	EPA 8270	11-2-09	11-4-09	
Pyrene	**0.094**	0.043	EPA 8270	11-2-09	11-4-09	
Butylbenzylphthalate	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
bis-2-Ethylhexyladipate	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
3,3'-Dichlorobenzidine	**ND**	0.43	EPA 8270	11-2-09	11-4-09	
Benzo[a]anthracene	**0.068**	0.043	EPA 8270	11-2-09	11-4-09	
Chrysene	**0.083**	0.043	EPA 8270	11-2-09	11-4-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
Di-n-octylphthalate	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
Benzo[b]fluoranthene	**0.12**	0.043	EPA 8270	11-2-09	11-4-09	
Benzo[k]fluoranthene	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
Benzo[a]pyrene	**0.090**	0.043	EPA 8270	11-2-09	11-4-09	
Indeno[1,2,3-cd]pyrene	**0.067**	0.043	EPA 8270	11-2-09	11-4-09	
Dibenz[a,h]anthracene	**ND**	0.043	EPA 8270	11-2-09	11-4-09	
Benzo[g,h,i]perylene	**0.085**	0.043	EPA 8270	11-2-09	11-4-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*76*	*19 - 97*				
Phenol-d6	*81*	*22 - 108*				
Nitrobenzene-d5	*88*	*21 - 106*				
2-Fluorobiphenyl	*86*	*29 - 107*				
2,4,6-Tribromophenol	*85*	*44 - 121*				
Terphenyl-d14	*86*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Containment-S Wall-1009**					
Laboratory ID:	10-228-02					
N-Nitrosodimethylamine	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
Pyridine	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
Phenol	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
Aniline	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
bis(2-Chloroethyl)ether	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
2-Chlorophenol	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
1,3-Dichlorobenzene	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
1,4-Dichlorobenzene	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
Benzyl alcohol	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
1,2-Dichlorobenzene	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
2-Methylphenol (o-Cresol)	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
bis(2-Chloroisopropyl)ether	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
N-Nitroso-di-n-propylamine	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
Hexachloroethane	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
Nitrobenzene	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
Isophorone	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
2-Nitrophenol	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
2,4-Dimethylphenol	**0.13**	0.041	EPA 8270	11-2-09	11-4-09	
bis(2-Chloroethoxy)methane	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
2,4-Dichlorophenol	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
1,2,4-Trichlorobenzene	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
Naphthalene	**0.033**	0.0081	EPA 8270/SIM	11-2-09	11-4-09	
4-Chloroaniline	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
Hexachlorobutadiene	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
4-Chloro-3-methylphenol	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
2-Methylnaphthalene	**0.016**	0.0081	EPA 8270/SIM	11-2-09	11-4-09	
1-Methylnaphthalene	**0.0098**	0.0081	EPA 8270/SIM	11-2-09	11-4-09	
Hexachlorocyclopentadiene	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
2,4,6-Trichlorophenol	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
2,3-Dichloroaniline	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
2,4,5-Trichlorophenol	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
2-Chloronaphthalene	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
2-Nitroaniline	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
1,4-Dinitrobenzene	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
Dimethylphthalate	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
1,3-Dinitrobenzene	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
2,6-Dinitrotoluene	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
1,2-Dinitrobenzene	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
Acenaphthylene	**ND**	0.0081	EPA 8270/SIM	11-2-09	11-4-09	
3-Nitroaniline	**ND**	0.041	EPA 8270	11-2-09	11-4-09	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Containment-S Wall-1009**					
Laboratory ID:	10-228-02					
2,4-Dinitrophenol	**ND**	0.20	EPA 8270	11-2-09	11-4-09	
Acenaphthene	**0.051**	0.041	EPA 8270	11-2-09	11-4-09	
4-Nitrophenol	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
2,4-Dinitrotoluene	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
Dibenzofuran	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
Diethylphthalate	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
4-Chlorophenyl-phenylether	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
4-Nitroaniline	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
Fluorene	**0.045**	0.041	EPA 8270	11-2-09	11-4-09	
4,6-Dinitro-2-methylphenol	**ND**	0.20	EPA 8270	11-2-09	11-4-09	
N-Nitrosodiphenylamine	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
1,2-Diphenylhydrazine	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
4-Bromophenyl-phenylether	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
Hexachlorobenzene	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
Pentachlorophenol	**ND**	0.20	EPA 8270	11-2-09	11-4-09	
Phenanthrene	**0.20**	0.041	EPA 8270	11-2-09	11-4-09	
Anthracene	**0.064**	0.041	EPA 8270	11-2-09	11-4-09	
Carbazole	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
Di-n-butylphthalate	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
Fluoranthene	**0.16**	0.041	EPA 8270	11-2-09	11-4-09	
Benzidine	**ND**	0.41	EPA 8270	11-2-09	11-4-09	
Pyrene	**0.13**	0.041	EPA 8270	11-2-09	11-4-09	
Butylbenzylphthalate	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
bis-2-Ethylhexyladipate	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
3,3'-Dichlorobenzidine	**ND**	0.41	EPA 8270	11-2-09	11-4-09	
Benzo[a]anthracene	**0.046**	0.041	EPA 8270	11-2-09	11-4-09	
Chrysene	**0.058**	0.041	EPA 8270	11-2-09	11-4-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
Di-n-octylphthalate	**ND**	0.041	EPA 8270	11-2-09	11-4-09	
Benzo[b]fluoranthene	**0.062**	0.041	EPA 8270	11-2-09	11-4-09	
Benzo[k]fluoranthene	**0.016**	0.0081	EPA 8270/SIM	11-2-09	11-4-09	
Benzo[a]pyrene	**0.042**	0.041	EPA 8270	11-2-09	11-4-09	
Indeno[1,2,3-cd]pyrene	**0.028**	0.0081	EPA 8270/SIM	11-2-09	11-4-09	
Dibenz[a,h]anthracene	**0.010**	0.0081	EPA 8270/SIM	11-2-09	11-4-09	
Benzo[g,h,i]perylene	**0.034**	0.0081	EPA 8270/SIM	11-2-09	11-4-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*57*	*19 - 97*				
Phenol-d6	*60*	*22 - 108*				
Nitrobenzene-d5	*58*	*21 - 106*				
2-Fluorobiphenyl	*62*	*29 - 107*				
2,4,6-Tribromophenol	*64*	*44 - 121*				
Terphenyl-d14	*66*	*37 - 120*				

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank2-B-1009**					
Laboratory ID:	10-228-04					
N-Nitrosodimethylamine	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
Pyridine	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
Phenol	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
Aniline	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
bis(2-Chloroethyl)ether	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
2-Chlorophenol	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
1,3-Dichlorobenzene	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
1,4-Dichlorobenzene	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
Benzyl alcohol	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
1,2-Dichlorobenzene	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
2-Methylphenol (o-Cresol)	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
bis(2-Chloroisopropyl)ether	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
N-Nitroso-di-n-propylamine	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
Hexachloroethane	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
Nitrobenzene	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
Isophorone	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
2-Nitrophenol	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
2,4-Dimethylphenol	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
bis(2-Chloroethoxy)methane	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
2,4-Dichlorophenol	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
1,2,4-Trichlorobenzene	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
Naphthalene	**ND**	0.0083	EPA 8270/SIM	11-2-09	11-4-09	
4-Chloroaniline	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
Hexachlorobutadiene	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
4-Chloro-3-methylphenol	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
2-Methylnaphthalene	**ND**	0.0083	EPA 8270/SIM	11-2-09	11-4-09	
1-Methylnaphthalene	**ND**	0.0083	EPA 8270/SIM	11-2-09	11-4-09	
Hexachlorocyclopentadiene	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
2,4,6-Trichlorophenol	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
2,3-Dichloroaniline	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
2,4,5-Trichlorophenol	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
2-Chloronaphthalene	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
2-Nitroaniline	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
1,4-Dinitrobenzene	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
Dimethylphthalate	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
1,3-Dinitrobenzene	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
2,6-Dinitrotoluene	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
1,2-Dinitrobenzene	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
Acenaphthylene	**ND**	0.0083	EPA 8270/SIM	11-2-09	11-4-09	
3-Nitroaniline	**ND**	0.042	EPA 8270	11-2-09	11-4-09	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank2-B-1009**					
Laboratory ID:	10-228-04					
2,4-Dinitrophenol	**ND**	0.21	EPA 8270	11-2-09	11-4-09	
Acenaphthene	**ND**	0.0083	EPA 8270/SIM	11-2-09	11-4-09	
4-Nitrophenol	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
2,4-Dinitrotoluene	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
Dibenzofuran	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
Diethylphthalate	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
4-Chlorophenyl-phenylether	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
4-Nitroaniline	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
Fluorene	**ND**	0.0083	EPA 8270/SIM	11-2-09	11-4-09	
4,6-Dinitro-2-methylphenol	**ND**	0.21	EPA 8270	11-2-09	11-4-09	
N-Nitrosodiphenylamine	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
1,2-Diphenylhydrazine	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
4-Bromophenyl-phenylether	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
Hexachlorobenzene	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
Pentachlorophenol	**ND**	0.21	EPA 8270	11-2-09	11-4-09	
Phenanthrene	**ND**	0.0083	EPA 8270/SIM	11-2-09	11-4-09	
Anthracene	**ND**	0.0083	EPA 8270/SIM	11-2-09	11-4-09	
Carbazole	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
Di-n-butylphthalate	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
Fluoranthene	**ND**	0.0083	EPA 8270/SIM	11-2-09	11-4-09	
Benzidine	**ND**	0.42	EPA 8270	11-2-09	11-4-09	
Pyrene	**ND**	0.0083	EPA 8270/SIM	11-2-09	11-4-09	
Butylbenzylphthalate	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
bis-2-Ethylhexyladipate	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
3,3'-Dichlorobenzidine	**ND**	0.42	EPA 8270	11-2-09	11-4-09	
Benzo[a]anthracene	**ND**	0.0083	EPA 8270/SIM	11-2-09	11-4-09	
Chrysene	**ND**	0.0083	EPA 8270/SIM	11-2-09	11-4-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
Di-n-octylphthalate	**ND**	0.042	EPA 8270	11-2-09	11-4-09	
Benzo[b]fluoranthene	**ND**	0.0083	EPA 8270/SIM	11-2-09	11-4-09	
Benzo[k]fluoranthene	**ND**	0.0083	EPA 8270/SIM	11-2-09	11-4-09	
Benzo[a]pyrene	**ND**	0.0083	EPA 8270/SIM	11-2-09	11-4-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0083	EPA 8270/SIM	11-2-09	11-4-09	
Dibenz[a,h]anthracene	**ND**	0.0083	EPA 8270/SIM	11-2-09	11-4-09	
Benzo[g,h,i]perylene	**ND**	0.0083	EPA 8270/SIM	11-2-09	11-4-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*71*	*19 - 97*				
Phenol-d6	*73*	*22 - 108*				
Nitrobenzene-d5	*70*	*21 - 106*				
2-Fluorobiphenyl	*72*	*29 - 107*				
2,4,6-Tribromophenol	*69*	*44 - 121*				
Terphenyl-d14	*70*	*37 - 120*				

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1102S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
Pyridine	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
Phenol	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
Aniline	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
Hexachloroethane	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
Nitrobenzene	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
Isophorone	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	11-2-09	11-4-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	11-2-09	11-4-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	11-2-09	11-4-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	11-2-09	11-4-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	11-2-09	11-3-09	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1102S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	11-2-09	11-3-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	11-2-09	11-4-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
Dibenzofuran	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
Diethylphthalate	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	11-2-09	11-4-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	11-2-09	11-3-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	11-2-09	11-3-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	11-2-09	11-4-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	11-2-09	11-4-09	
Carbazole	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-2-09	11-4-09	
Benzidine	**ND**	0.33	EPA 8270	11-2-09	11-3-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	11-2-09	11-4-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	11-2-09	11-3-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	11-2-09	11-4-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	11-2-09	11-4-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	11-2-09	11-3-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-2-09	11-4-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-2-09	11-4-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	11-2-09	11-4-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	11-2-09	11-4-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	11-2-09	11-4-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	11-2-09	11-4-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*70*	*19 - 97*				
Phenol-d6	*74*	*22 - 108*				
Nitrobenzene-d5	*72*	*21 - 106*				
2-Fluorobiphenyl	*81*	*29 - 107*				
2,4,6-Tribromophenol	*81*	*44 - 121*				
Terphenyl-d14	*84*	*37 - 120*				

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-228-01										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**1.14**	**1.17**	1.33	1.33	ND	86	88	38 - 97	3	30	
2-Chlorophenol	**1.11**	**1.13**	1.33	1.33	ND	83	85	28 - 102	2	38	
1,4-Dichlorobenzene	**0.498**	**0.516**	0.667	0.667	ND	75	77	14 - 84	4	41	
N-Nitroso-di-n-propylamine	**0.606**	**0.633**	0.667	0.667	ND	91	95	25 - 104	4	39	
1,2,4-Trichlorobenzene	**0.507**	**0.525**	0.667	0.667	ND	76	79	23 - 93	3	37	
4-Chloro-3-methylphenol	**1.18**	**1.26**	1.33	1.33	ND	89	95	49 - 113	7	31	
Acenaphthene	**0.959**	**1.14**	0.667	0.667	0.530	64	91	37 - 101	17	40	
4-Nitrophenol	**1.15**	**1.30**	1.33	1.33	ND	86	98	30 - 136	12	31	
2,4-Dinitrotoluene	**0.545**	**0.599**	0.667	0.667	ND	82	90	36 - 122	9	32	
Pentachlorophenol	**0.974**	**1.06**	1.33	1.33	ND	73	80	15 - 143	8	34	
Pyrene	**0.637**	**0.678**	0.667	0.667	0.0727	85	91	24 - 138	6	39	
Surrogate:											
2-Fluorophenol						*69*	*72*	*19 - 97*			
Phenol-d6						*73*	*75*	*22 - 108*			
Nitrobenzene-d5						*74*	*78*	*21 - 106*			
2-Fluorobiphenyl						*77*	*81*	*29 - 107*			
2,4,6-Tribromophenol						*76*	*83*	*44 - 121*			
Terphenyl-d14						*77*	*83*	*37 - 120*			

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Contain-GW-1009**					
Laboratory ID:	10-228-03					
N-Nitrosodimethylamine	**ND**	20	EPA 8270	10-30-09	11-3-09	
Pyridine	**ND**	200	EPA 8270	10-30-09	11-3-09	
Phenol	**ND**	20	EPA 8270	10-30-09	11-3-09	
Aniline	**ND**	100	EPA 8270	10-30-09	11-3-09	
bis(2-Chloroethyl)ether	**ND**	20	EPA 8270	10-30-09	11-3-09	
2-Chlorophenol	**ND**	20	EPA 8270	10-30-09	11-3-09	
1,3-Dichlorobenzene	**ND**	20	EPA 8270	10-30-09	11-3-09	
1,4-Dichlorobenzene	**ND**	20	EPA 8270	10-30-09	11-3-09	
Benzyl alcohol	**ND**	20	EPA 8270	10-30-09	11-3-09	
1,2-Dichlorobenzene	**ND**	20	EPA 8270	10-30-09	11-3-09	
2-Methylphenol (o-Cresol)	**ND**	20	EPA 8270	10-30-09	11-3-09	
bis(2-Chloroisopropyl)ether	**ND**	20	EPA 8270	10-30-09	11-3-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	20	EPA 8270	10-30-09	11-3-09	
N-Nitroso-di-n-propylamine	**ND**	20	EPA 8270	10-30-09	11-3-09	
Hexachloroethane	**ND**	20	EPA 8270	10-30-09	11-3-09	
Nitrobenzene	**ND**	20	EPA 8270	10-30-09	11-3-09	
Isophorone	**ND**	20	EPA 8270	10-30-09	11-3-09	
2-Nitrophenol	**ND**	20	EPA 8270	10-30-09	11-3-09	
2,4-Dimethylphenol	**ND**	20	EPA 8270	10-30-09	11-3-09	
bis(2-Chloroethoxy)methane	**ND**	20	EPA 8270	10-30-09	11-3-09	
2,4-Dichlorophenol	**ND**	20	EPA 8270	10-30-09	11-3-09	
1,2,4-Trichlorobenzene	**ND**	20	EPA 8270	10-30-09	11-3-09	
Naphthalene	**670**	20	EPA 8270	10-30-09	11-3-09	
4-Chloroaniline	**ND**	200	EPA 8270	10-30-09	11-3-09	
Hexachlorobutadiene	**ND**	20	EPA 8270	10-30-09	11-3-09	
4-Chloro-3-methylphenol	**ND**	20	EPA 8270	10-30-09	11-3-09	
2-Methylnaphthalene	**95**	20	EPA 8270	10-30-09	11-3-09	
1-Methylnaphthalene	**44**	20	EPA 8270	10-30-09	11-3-09	
Hexachlorocyclopentadiene	**ND**	20	EPA 8270	10-30-09	11-3-09	
2,4,6-Trichlorophenol	**ND**	20	EPA 8270	10-30-09	11-3-09	
2,3-Dichloroaniline	**ND**	20	EPA 8270	10-30-09	11-3-09	
2,4,5-Trichlorophenol	**ND**	20	EPA 8270	10-30-09	11-3-09	
2-Chloronaphthalene	**ND**	20	EPA 8270	10-30-09	11-3-09	
2-Nitroaniline	**ND**	20	EPA 8270	10-30-09	11-3-09	
1,4-Dinitrobenzene	**ND**	20	EPA 8270	10-30-09	11-3-09	
Dimethylphthalate	**ND**	20	EPA 8270	10-30-09	11-3-09	
1,3-Dinitrobenzene	**ND**	20	EPA 8270	10-30-09	11-3-09	
2,6-Dinitrotoluene	**ND**	20	EPA 8270	10-30-09	11-3-09	
1,2-Dinitrobenzene	**ND**	20	EPA 8270	10-30-09	11-3-09	
Acenaphthylene	**ND**	20	EPA 8270	10-30-09	11-3-09	
3-Nitroaniline	**ND**	20	EPA 8270	10-30-09	11-3-09	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Contain-GW-1009**					
Laboratory ID:	10-228-03					
2,4-Dinitrophenol	**ND**	200	EPA 8270	10-30-09	11-3-09	
Acenaphthene	**180**	20	EPA 8270	10-30-09	11-3-09	
4-Nitrophenol	**ND**	20	EPA 8270	10-30-09	11-3-09	
2,4-Dinitrotoluene	**ND**	20	EPA 8270	10-30-09	11-3-09	
Dibenzofuran	**110**	20	EPA 8270	10-30-09	11-3-09	
2,3,5,6-Tetrachlorophenol	**ND**	20	EPA 8270	10-30-09	11-3-09	
2,3,4,6-Tetrachlorophenol	**ND**	20	EPA 8270	10-30-09	11-3-09	
Diethylphthalate	**ND**	20	EPA 8270	10-30-09	11-3-09	
4-Chlorophenyl-phenylether	**ND**	20	EPA 8270	10-30-09	11-3-09	
4-Nitroaniline	**ND**	20	EPA 8270	10-30-09	11-3-09	
Fluorene	**180**	20	EPA 8270	10-30-09	11-3-09	
4,6-Dinitro-2-methylphenol	**ND**	100	EPA 8270	10-30-09	11-3-09	
N-Nitrosodiphenylamine	**ND**	200	EPA 8270	10-30-09	11-3-09	
1,2-Diphenylhydrazine	**ND**	20	EPA 8270	10-30-09	11-3-09	
4-Bromophenyl-phenylether	**ND**	20	EPA 8270	10-30-09	11-3-09	
Hexachlorobenzene	**ND**	20	EPA 8270	10-30-09	11-3-09	
Pentachlorophenol	**ND**	100	EPA 8270	10-30-09	11-3-09	
Phenanthrene	**830**	20	EPA 8270	10-30-09	11-3-09	
Anthracene	**310**	20	EPA 8270	10-30-09	11-3-09	
Carbazole	**91**	20	EPA 8270	10-30-09	11-3-09	
Di-n-butylphthalate	**ND**	20	EPA 8270	10-30-09	11-3-09	
Fluoranthene	**530**	20	EPA 8270	10-30-09	11-3-09	
Benzidine	**ND**	200	EPA 8270	10-30-09	11-3-09	
Pyrene	**430**	20	EPA 8270	10-30-09	11-3-09	
Butylbenzylphthalate	**ND**	20	EPA 8270	10-30-09	11-3-09	
bis-2-Ethylhexyladipate	**ND**	20	EPA 8270	10-30-09	11-3-09	
3,3'-Dichlorobenzidine	**ND**	200	EPA 8270	10-30-09	11-3-09	
Benzo[a]anthracene	**150**	20	EPA 8270	10-30-09	11-3-09	
Chrysene	**180**	20	EPA 8270	10-30-09	11-3-09	
bis(2-Ethylhexyl)phthalate	**ND**	20	EPA 8270	10-30-09	11-3-09	
Di-n-octylphthalate	**ND**	20	EPA 8270	10-30-09	11-3-09	
Benzo[b]fluoranthene	**160**	20	EPA 8270	10-30-09	11-3-09	
Benzo[k]fluoranthene	**46**	20	EPA 8270	10-30-09	11-3-09	
Benzo[a]pyrene	**120**	20	EPA 8270	10-30-09	11-3-09	
Indeno[1,2,3-cd]pyrene	**72**	20	EPA 8270	10-30-09	11-3-09	
Dibenz[a,h]anthracene	**21**	20	EPA 8270	10-30-09	11-3-09	
Benzo[g,h,i]perylene	**72**	20	EPA 8270	10-30-09	11-3-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*18*	*12 - 91*				
Phenol-d6	*41*	*10 - 102*				
Nitrobenzene-d5	*92*	*27 - 115*				
2-Fluorobiphenyl	*77*	*37 - 111*				
2,4,6-Tribromophenol	*77*	*48 - 121*				
Terphenyl-d14	*71*	*47 - 116*				

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Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1030W1					
N-Nitrosodimethylamine	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
Pyridine	**ND**	10	EPA 8270	11-30-09	11-2-09	
Phenol	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
Aniline	**ND**	5.0	EPA 8270	11-30-09	11-2-09	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
2-Chlorophenol	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
Benzyl alcohol	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
N-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
Hexachloroethane	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
Nitrobenzene	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
Isophorone	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
2-Nitrophenol	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
Naphthalene	**ND**	0.10	EPA 8270/SIM	11-30-09	11-3-09	
4-Chloroaniline	**ND**	10	EPA 8270	11-30-09	11-2-09	
Hexachlorobutadiene	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	11-30-09	11-3-09	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	11-30-09	11-3-09	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
2-Chloronaphthalene	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
2-Nitroaniline	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
Dimethylphthalate	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	11-30-09	11-3-09	
3-Nitroaniline	**ND**	1.0	EPA 8270	11-30-09	11-2-09	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1030W1					
2,4-Dinitrophenol	**ND**	10	EPA 8270	11-30-09	11-2-09	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	11-30-09	11-3-09	
4-Nitrophenol	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
Dibenzofuran	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
Diethylphthalate	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
4-Nitroaniline	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
Fluorene	**ND**	0.10	EPA 8270/SIM	11-30-09	11-3-09	
4,6-Dinitro-2-methylphenol	**ND**	5.0	EPA 8270	11-30-09	11-2-09	
N-Nitrosodiphenylamine	**ND**	10	EPA 8270	11-30-09	11-2-09	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
Hexachlorobenzene	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
Pentachlorophenol	**ND**	5.0	EPA 8270	11-30-09	11-2-09	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	11-30-09	11-3-09	
Anthracene	**ND**	0.10	EPA 8270/SIM	11-30-09	11-3-09	
Carbazole	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
Di-n-butylphthalate	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	11-30-09	11-3-09	
Benzidine	**ND**	10	EPA 8270	11-30-09	11-2-09	
Pyrene	**ND**	0.10	EPA 8270/SIM	11-30-09	11-3-09	
Butylbenzylphthalate	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
bis-2-Ethylhexyladipate	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
3,3'-Dichlorobenzidine	**ND**	10	EPA 8270	11-30-09	11-2-09	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	11-30-09	11-3-09	
Chrysene	**ND**	0.010	EPA 8270/SIM	11-30-09	11-3-09	
bis(2-Ethylhexyl)phthalate	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
Di-n-octylphthalate	**ND**	1.0	EPA 8270	11-30-09	11-2-09	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	11-30-09	11-3-09	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	11-30-09	11-3-09	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	11-30-09	11-3-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270/SIM	11-30-09	11-3-09	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	11-30-09	11-3-09	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	11-30-09	11-3-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*59*	*12 - 91*				
Phenol-d6	*44*	*10 - 102*				
Nitrobenzene-d5	*87*	*27 - 115*				
2-Fluorobiphenyl	*81*	*37 - 111*				
2,4,6-Tribromophenol	*72*	*48 - 121*				
Terphenyl-d14	*95*	*47 - 116*				

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1030W1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**20.7**	**21.8**	40.0	40.0	52	55	17 - 69	5	34	
2-Chlorophenol	**32.7**	**34.0**	40.0	40.0	82	85	36 - 104	4	36	
1,4-Dichlorobenzene	**14.9**	**15.8**	20.0	20.0	75	79	29 - 90	6	34	
N-Nitroso-di-n-propylamine	**18.5**	**20.1**	20.0	20.0	93	101	34 - 101	8	38	
1,2,4-Trichlorobenzene	**15.7**	**16.7**	20.0	20.0	79	84	30 - 97	6	42	
4-Chloro-3-methylphenol	**37.9**	**41.0**	40.0	40.0	95	103	56 - 106	8	26	
Acenaphthene	**16.8**	**18.1**	20.0	20.0	84	91	46 - 94	7	34	
4-Nitrophenol	**19.0**	**21.6**	40.0	40.0	48	54	17 - 100	13	38	
2,4-Dinitrotoluene	**17.6**	**19.2**	20.0	20.0	88	96	50 - 121	9	18	
Pentachlorophenol	**22.5**	**25.4**	40.0	40.0	56	64	37 - 132	12	32	
Pyrene	**19.5**	**20.9**	20.0	20.0	98	105	65 - 108	7	18	
Surrogate:										
2-Fluorophenol					*57*	*60*	*12 - 91*			
Phenol-d6					*43*	*45*	*10 - 102*			
Nitrobenzene-d5					*83*	*86*	*27 - 115*			
2-Fluorobiphenyl					*79*	*85*	*37 - 111*			
2,4,6-Tribromophenol					*68*	*73*	*48 - 121*			
Terphenyl-d14					*86*	*94*	*47 - 116*			

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Containment-E Wall-1009**					
Laboratory ID:	10-228-06					
N-Nitrosodimethylamine	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
Pyridine	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
Phenol	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
Aniline	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
bis(2-Chloroethyl)ether	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
2-Chlorophenol	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
1,3-Dichlorobenzene	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
1,4-Dichlorobenzene	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
Benzyl alcohol	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
1,2-Dichlorobenzene	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
2-Methylphenol (o-Cresol)	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
bis(2-Chloroisopropyl)ether	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
N-Nitroso-di-n-propylamine	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
Hexachloroethane	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
Nitrobenzene	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
Isophorone	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
2-Nitrophenol	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
2,4-Dimethylphenol	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
bis(2-Chloroethoxy)methane	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
2,4-Dichlorophenol	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
1,2,4-Trichlorobenzene	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
Naphthalene	**0.079**	0.040	EPA 8270	11-3-09	11-4-09	
4-Chloroaniline	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
Hexachlorobutadiene	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
4-Chloro-3-methylphenol	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
2-Methylnaphthalene	**0.15**	0.040	EPA 8270	11-3-09	11-4-09	
1-Methylnaphthalene	**0.081**	0.040	EPA 8270	11-3-09	11-4-09	
Hexachlorocyclopentadiene	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
2,4,6-Trichlorophenol	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
2,3-Dichloroaniline	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
2,4,5-Trichlorophenol	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
2-Chloronaphthalene	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
2-Nitroaniline	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
1,4-Dinitrobenzene	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
Dimethylphthalate	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
1,3-Dinitrobenzene	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
2,6-Dinitrotoluene	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
1,2-Dinitrobenzene	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
Acenaphthylene	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
3-Nitroaniline	**ND**	0.040	EPA 8270	11-3-09	11-4-09	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Containment-E Wall-1009**					
Laboratory ID:	10-228-06					
2,4-Dinitrophenol	**ND**	0.20	EPA 8270	11-3-09	11-4-09	
Acenaphthene	**0.58**	0.040	EPA 8270	11-3-09	11-4-09	
4-Nitrophenol	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
2,4-Dinitrotoluene	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
Dibenzofuran	**0.29**	0.040	EPA 8270	11-3-09	11-4-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
Diethylphthalate	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
4-Chlorophenyl-phenylether	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
4-Nitroaniline	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
Fluorene	**0.46**	0.040	EPA 8270	11-3-09	11-4-09	
4,6-Dinitro-2-methylphenol	**ND**	0.20	EPA 8270	11-3-09	11-4-09	
N-Nitrosodiphenylamine	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
1,2-Diphenylhydrazine	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
4-Bromophenyl-phenylether	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
Hexachlorobenzene	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
Pentachlorophenol	**ND**	0.20	EPA 8270	11-3-09	11-4-09	
Phenanthrene	**2.0**	0.040	EPA 8270	11-3-09	11-4-09	
Anthracene	**0.49**	0.040	EPA 8270	11-3-09	11-4-09	
Carbazole	**0.22**	0.040	EPA 8270	11-3-09	11-4-09	
Di-n-butylphthalate	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
Fluoranthene	**1.2**	0.040	EPA 8270	11-3-09	11-4-09	
Benzidine	**ND**	0.40	EPA 8270	11-3-09	11-4-09	
Pyrene	**0.95**	0.040	EPA 8270	11-3-09	11-4-09	
Butylbenzylphthalate	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
bis-2-Ethylhexyladipate	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
3,3'-Dichlorobenzidine	**ND**	0.40	EPA 8270	11-3-09	11-4-09	
Benzo[a]anthracene	**0.32**	0.040	EPA 8270	11-3-09	11-4-09	
Chrysene	**0.35**	0.040	EPA 8270	11-3-09	11-4-09	
bis(2-Ethylhexyl)phthalate	**0.17**	0.040	EPA 8270	11-3-09	11-4-09	
Di-n-octylphthalate	**ND**	0.040	EPA 8270	11-3-09	11-4-09	
Benzo[b]fluoranthene	**0.38**	0.040	EPA 8270	11-3-09	11-4-09	
Benzo[k]fluoranthene	**0.14**	0.040	EPA 8270	11-3-09	11-4-09	
Benzo[a]pyrene	**0.30**	0.040	EPA 8270	11-3-09	11-4-09	
Indeno[1,2,3-cd]pyrene	**0.22**	0.040	EPA 8270	11-3-09	11-4-09	
Dibenz[a,h]anthracene	**0.060**	0.040	EPA 8270	11-3-09	11-4-09	
Benzo[g,h,i]perylene	**0.23**	0.040	EPA 8270	11-3-09	11-4-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*56*	*19 - 97*				
Phenol-d6	*65*	*22 - 108*				
Nitrobenzene-d5	*71*	*21 - 106*				
2-Fluorobiphenyl	*75*	*29 - 107*				
2,4,6-Tribromophenol	*75*	*44 - 121*				
Terphenyl-d14	*74*	*37 - 120*				

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Containment-W Wall-1009**					
Laboratory ID:	10-228-07					
N-Nitrosodimethylamine	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
Pyridine	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
Phenol	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
Aniline	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
bis(2-Chloroethyl)ether	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
2-Chlorophenol	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
1,3-Dichlorobenzene	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
1,4-Dichlorobenzene	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
Benzyl alcohol	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
1,2-Dichlorobenzene	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
2-Methylphenol (o-Cresol)	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
bis(2-Chloroisopropyl)ether	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
N-Nitroso-di-n-propylamine	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
Hexachloroethane	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
Nitrobenzene	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
Isophorone	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
2-Nitrophenol	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
2,4-Dimethylphenol	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
bis(2-Chloroethoxy)methane	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
2,4-Dichlorophenol	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
1,2,4-Trichlorobenzene	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
Naphthalene	**0.12**	0.039	EPA 8270	11-3-09	11-4-09	
4-Chloroaniline	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
Hexachlorobutadiene	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
4-Chloro-3-methylphenol	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
2-Methylnaphthalene	**0.28**	0.039	EPA 8270	11-3-09	11-4-09	
1-Methylnaphthalene	**0.15**	0.039	EPA 8270	11-3-09	11-4-09	
Hexachlorocyclopentadiene	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
2,4,6-Trichlorophenol	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
2,3-Dichloroaniline	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
2,4,5-Trichlorophenol	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
2-Chloronaphthalene	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
2-Nitroaniline	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
1,4-Dinitrobenzene	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
Dimethylphthalate	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
1,3-Dinitrobenzene	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
2,6-Dinitrotoluene	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
1,2-Dinitrobenzene	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
Acenaphthylene	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
3-Nitroaniline	**ND**	0.039	EPA 8270	11-3-09	11-4-09	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Containment-W Wall-1009**					
Laboratory ID:	10-228-07					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	11-3-09	11-4-09	
Acenaphthene	**0.83**	0.039	EPA 8270	11-3-09	11-4-09	
4-Nitrophenol	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
2,4-Dinitrotoluene	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
Dibenzofuran	**0.41**	0.039	EPA 8270	11-3-09	11-4-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
Diethylphthalate	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
4-Chlorophenyl-phenylether	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
4-Nitroaniline	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
Fluorene	**0.62**	0.039	EPA 8270	11-3-09	11-4-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	11-3-09	11-4-09	
N-Nitrosodiphenylamine	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
1,2-Diphenylhydrazine	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
4-Bromophenyl-phenylether	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
Hexachlorobenzene	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	11-3-09	11-4-09	
Phenanthrene	**2.9**	0.19	EPA 8270	11-3-09	11-4-09	
Anthracene	**0.95**	0.039	EPA 8270	11-3-09	11-4-09	
Carbazole	**0.32**	0.039	EPA 8270	11-3-09	11-4-09	
Di-n-butylphthalate	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
Fluoranthene	**2.2**	0.039	EPA 8270	11-3-09	11-4-09	
Benzidine	**ND**	0.39	EPA 8270	11-3-09	11-4-09	
Pyrene	**1.8**	0.039	EPA 8270	11-3-09	11-4-09	
Butylbenzylphthalate	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
bis-2-Ethylhexyladipate	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
3,3'-Dichlorobenzidine	**ND**	0.39	EPA 8270	11-3-09	11-4-09	
Benzo[a]anthracene	**0.67**	0.039	EPA 8270	11-3-09	11-4-09	
Chrysene	**0.76**	0.039	EPA 8270	11-3-09	11-4-09	
bis(2-Ethylhexyl)phthalate	**0.099**	0.039	EPA 8270	11-3-09	11-4-09	
Di-n-octylphthalate	**ND**	0.039	EPA 8270	11-3-09	11-4-09	
Benzo[b]fluoranthene	**0.82**	0.039	EPA 8270	11-3-09	11-4-09	
Benzo[k]fluoranthene	**0.29**	0.039	EPA 8270	11-3-09	11-4-09	
Benzo[a]pyrene	**0.68**	0.039	EPA 8270	11-3-09	11-4-09	
Indeno[1,2,3-cd]pyrene	**0.46**	0.039	EPA 8270	11-3-09	11-4-09	
Dibenz[a,h]anthracene	**0.13**	0.039	EPA 8270	11-3-09	11-4-09	
Benzo[g,h,i]perylene	**0.51**	0.039	EPA 8270	11-3-09	11-4-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*56*	*19 - 97*				
Phenol-d6	*68*	*22 - 108*				
Nitrobenzene-d5	*73*	*21 - 106*				
2-Fluorobiphenyl	*77*	*29 - 107*				
2,4,6-Tribromophenol	*78*	*44 - 121*				
Terphenyl-d14	*81*	*37 - 120*				

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Pipe-1-1009**					
Laboratory ID:	10-228-08					
N-Nitrosodimethylamine	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
Pyridine	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
Phenol	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
Aniline	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
bis(2-Chloroethyl)ether	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
2-Chlorophenol	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
1,3-Dichlorobenzene	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
1,4-Dichlorobenzene	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
Benzyl alcohol	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
1,2-Dichlorobenzene	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
2-Methylphenol (o-Cresol)	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
bis(2-Chloroisopropyl)ether	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
N-Nitroso-di-n-propylamine	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
Hexachloroethane	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
Nitrobenzene	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
Isophorone	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
2-Nitrophenol	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
2,4-Dimethylphenol	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
bis(2-Chloroethoxy)methane	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
2,4-Dichlorophenol	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
1,2,4-Trichlorobenzene	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
Naphthalene	**0.012**	0.011	EPA 8270/SIM	11-3-09	11-4-09	
4-Chloroaniline	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
Hexachlorobutadiene	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
4-Chloro-3-methylphenol	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
2-Methylnaphthalene	**0.011**	0.011	EPA 8270/SIM	11-3-09	11-4-09	
1-Methylnaphthalene	**0.013**	0.011	EPA 8270/SIM	11-3-09	11-4-09	
Hexachlorocyclopentadiene	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
2,4,6-Trichlorophenol	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
2,3-Dichloroaniline	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
2,4,5-Trichlorophenol	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
2-Chloronaphthalene	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
2-Nitroaniline	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
1,4-Dinitrobenzene	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
Dimethylphthalate	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
1,3-Dinitrobenzene	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
2,6-Dinitrotoluene	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
1,2-Dinitrobenzene	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
Acenaphthylene	**ND**	0.011	EPA 8270/SIM	11-3-09	11-4-09	
3-Nitroaniline	**ND**	0.057	EPA 8270	11-3-09	11-4-09	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Pipe-1-1009**					
Laboratory ID:	10-228-08					
2,4-Dinitrophenol	**ND**	0.29	EPA 8270	11-3-09	11-4-09	
Acenaphthene	**ND**	0.011	EPA 8270/SIM	11-3-09	11-4-09	
4-Nitrophenol	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
2,4-Dinitrotoluene	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
Dibenzofuran	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
Diethylphthalate	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
4-Chlorophenyl-phenylether	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
4-Nitroaniline	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
Fluorene	**ND**	0.011	EPA 8270/SIM	11-3-09	11-4-09	
4,6-Dinitro-2-methylphenol	**ND**	0.29	EPA 8270	11-3-09	11-4-09	
N-Nitrosodiphenylamine	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
1,2-Diphenylhydrazine	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
4-Bromophenyl-phenylether	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
Hexachlorobenzene	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
Pentachlorophenol	**ND**	0.29	EPA 8270	11-3-09	11-4-09	
Phenanthrene	**0.037**	0.011	EPA 8270/SIM	11-3-09	11-4-09	
Anthracene	**ND**	0.011	EPA 8270/SIM	11-3-09	11-4-09	
Carbazole	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
Di-n-butylphthalate	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
Fluoranthene	**0.045**	0.011	EPA 8270/SIM	11-3-09	11-4-09	
Benzidine	**ND**	0.57	EPA 8270	11-3-09	11-4-09	
Pyrene	**0.049**	0.011	EPA 8270/SIM	11-3-09	11-4-09	
Butylbenzylphthalate	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
bis-2-Ethylhexyladipate	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
3,3'-Dichlorobenzidine	**ND**	0.57	EPA 8270	11-3-09	11-4-09	
Benzo[a]anthracene	**0.017**	0.011	EPA 8270/SIM	11-3-09	11-4-09	
Chrysene	**0.023**	0.011	EPA 8270/SIM	11-3-09	11-4-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
Di-n-octylphthalate	**ND**	0.057	EPA 8270	11-3-09	11-4-09	
Benzo[b]fluoranthene	**0.037**	0.011	EPA 8270/SIM	11-3-09	11-4-09	
Benzo[k]fluoranthene	**0.013**	0.011	EPA 8270/SIM	11-3-09	11-4-09	
Benzo[a]pyrene	**0.025**	0.011	EPA 8270/SIM	11-3-09	11-4-09	
Indeno[1,2,3-cd]pyrene	**0.024**	0.011	EPA 8270/SIM	11-3-09	11-4-09	
Dibenz[a,h]anthracene	**ND**	0.011	EPA 8270/SIM	11-3-09	11-4-09	
Benzo[g,h,i]perylene	**0.031**	0.011	EPA 8270/SIM	11-3-09	11-4-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*58*	*19 - 97*				
Phenol-d6	*67*	*22 - 108*				
Nitrobenzene-d5	*67*	*21 - 106*				
2-Fluorobiphenyl	*70*	*29 - 107*				
2,4,6-Tribromophenol	*70*	*44 - 121*				
Terphenyl-d14	*71*	*37 - 120*				

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1103S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
Pyridine	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
Phenol	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
Aniline	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
Hexachloroethane	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
Nitrobenzene	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
Isophorone	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	11-3-09	11-4-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	11-3-09	11-4-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	11-3-09	11-4-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	11-3-09	11-4-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	11-3-09	11-4-09	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1103S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	11-3-09	11-4-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	11-3-09	11-4-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
Dibenzofuran	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
Diethylphthalate	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	11-3-09	11-4-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	11-3-09	11-4-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	11-3-09	11-4-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	11-3-09	11-4-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	11-3-09	11-4-09	
Carbazole	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-3-09	11-4-09	
Benzidine	**ND**	0.33	EPA 8270	11-3-09	11-4-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	11-3-09	11-4-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	11-3-09	11-4-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	11-3-09	11-4-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	11-3-09	11-4-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	11-3-09	11-4-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-3-09	11-4-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-3-09	11-4-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	11-3-09	11-4-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	11-3-09	11-4-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	11-3-09	11-4-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	11-3-09	11-4-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*70*	*19 - 97*				
Phenol-d6	*77*	*22 - 108*				
Nitrobenzene-d5	*79*	*21 - 106*				
2-Fluorobiphenyl	*82*	*29 - 107*				
2,4,6-Tribromophenol	*72*	*44 - 121*				
Terphenyl-d14	*85*	*37 - 120*				

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-228-06										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**1.07**	**1.13**	1.33	1.33	ND	80	85	38 - 97	5	30	
2-Chlorophenol	**0.965**	**1.02**	1.33	1.33	ND	73	77	28 - 102	6	38	
1,4-Dichlorobenzene	**0.391**	**0.440**	0.667	0.667	ND	59	66	14 - 84	12	41	
N-Nitroso-di-n-propylamine	**0.562**	**0.589**	0.667	0.667	ND	84	88	25 - 104	5	39	
1,2,4-Trichlorobenzene	**0.450**	**0.481**	0.667	0.667	ND	67	72	23 - 93	7	37	
4-Chloro-3-methylphenol	**1.16**	**1.19**	1.33	1.33	ND	87	89	49 - 113	3	31	
Acenaphthene	**0.956**	**0.989**	0.667	0.667	0.484	71	76	37 - 101	3	40	
4-Nitrophenol	**1.04**	**1.16**	1.33	1.33	ND	78	87	30 - 136	11	31	
2,4-Dinitrotoluene	**0.501**	**0.515**	0.667	0.667	ND	75	77	36 - 122	3	32	
Pentachlorophenol	**0.823**	**0.873**	1.33	1.33	ND	62	66	15 - 143	6	34	
Pyrene	**1.26**	**1.25**	0.667	0.667	0.797	69	68	24 - 138	1	39	
Surrogate:											
2-Fluorophenol						*63*	*70*	*19 - 97*			
Phenol-d6						*71*	*74*	*22 - 108*			
Nitrobenzene-d5						*74*	*79*	*21 - 106*			
2-Fluorobiphenyl						*77*	*80*	*29 - 107*			
2,4,6-Tribromophenol						*77*	*78*	*44 - 121*			
Terphenyl-d14						*78*	*77*	*37 - 120*			

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**PCS-2**					
Laboratory ID:	10-228-10					
Aroclor 1016	**ND**	0.056	EPA 8082	10-30-09	10-30-09	
Aroclor 1221	**ND**	0.056	EPA 8082	10-30-09	10-30-09	
Aroclor 1232	**ND**	0.056	EPA 8082	10-30-09	10-30-09	
Aroclor 1242	**ND**	0.056	EPA 8082	10-30-09	10-30-09	
Aroclor 1248	**ND**	0.056	EPA 8082	10-30-09	10-30-09	
Aroclor 1254	**ND**	0.056	EPA 8082	10-30-09	10-30-09	
Aroclor 1260	**ND**	0.056	EPA 8082	10-30-09	10-30-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*72*	*33-122*				

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1030S1					
Aroclor 1016	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Aroclor 1221	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Aroclor 1232	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Aroclor 1242	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Aroclor 1248	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Aroclor 1254	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Aroclor 1260	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*95*	*33-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-237-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.480**	**0.458**	0.500	0.500	ND	**96**	**92**	24-125	5	18	
Surrogate:											
DCB						*94*	*95*	*33-122*			

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-228-10					
Client ID:	**PCS-2**					
Arsenic	**ND**	11	6010B	10-30-09	10-30-09	
Barium	**33**	2.8	6010B	10-30-09	10-30-09	
Cadmium	**ND**	0.56	6010B	10-30-09	10-30-09	
Chromium	**18**	0.56	6010B	10-30-09	10-30-09	
Lead	**7.4**	5.6	6010B	10-30-09	10-30-09	
Mercury	**ND**	0.28	7471A	10-30-09	10-30-09	
Selenium	**ND**	11	6010B	10-30-09	10-30-09	
Silver	**ND**	0.56	6010B	10-30-09	10-30-09	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1030S1&MB1030S3

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Barium	6010B	**ND**	2.5
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Selenium	6010B	**ND**	10
Silver	6010B	**ND**	0.50

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-228-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Barium	**16.7**	**17.0**	2	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**7.21**	**6.56**	9	0.50	
Lead	**ND**	**ND**	NA	5.0	
Mercury	**ND**	**ND**	NA	0.25	
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	0.50	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-228-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**94.8**	95	**92.7**	93	2	
Barium	100	**107**	91	**105**	88	3	
Cadmium	50	**50.1**	100	**48.3**	97	4	
Chromium	100	**108**	101	**104**	97	3	
Lead	250	**244**	98	**235**	94	4	
Mercury	0.50	**0.457**	91	**0.470**	94	3	
Selenium	100	**96.3**	96	**95.7**	96	1	
Silver	25	**24.8**	99	**23.3**	93	6	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-228-01					
Client ID:	**Tank1-B-1009**					
Arsenic	**ND**	13	6010B	10-30-09	10-30-09	
Cadmium	**ND**	0.65	6010B	10-30-09	10-30-09	
Chromium	**9.5**	0.65	6010B	10-30-09	10-30-09	
Copper	**8.9**	1.3	6010B	10-30-09	10-30-09	
Lead	**ND**	6.5	6010B	10-30-09	10-30-09	
Mercury	**ND**	0.32	7471A	10-30-09	10-30-09	
Nickel	**11**	3.2	6010B	10-30-09	10-30-09	
Zinc	**21**	3.2	6010B	10-30-09	10-30-09	
Lab ID:	10-228-02					
Client ID:	**Containment-SWall-1009**					
Arsenic	**ND**	12	6010B	10-30-09	10-30-09	
Cadmium	**ND**	0.61	6010B	10-30-09	10-30-09	
Chromium	**24**	0.61	6010B	10-30-09	10-30-09	
Copper	**11**	1.2	6010B	10-30-09	10-30-09	
Lead	**ND**	6.1	6010B	10-30-09	10-30-09	
Mercury	**ND**	0.30	7471A	10-30-09	10-30-09	
Nickel	**27**	3.0	6010B	10-30-09	10-30-09	
Zinc	**26**	3.0	6010B	10-30-09	10-30-09	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-228-04					
Client ID:	**Tank2-B-1009**					
Arsenic	**ND**	12	6010B	10-30-09	10-30-09	
Cadmium	**ND**	0.62	6010B	10-30-09	10-30-09	
Chromium	**8.9**	0.62	6010B	10-30-09	10-30-09	
Copper	**9.5**	1.2	6010B	10-30-09	10-30-09	
Lead	**ND**	6.2	6010B	10-30-09	10-30-09	
Mercury	**ND**	0.31	7471A	10-30-09	10-30-09	
Nickel	**11**	3.1	6010B	10-30-09	10-30-09	
Zinc	**23**	3.1	6010B	10-30-09	10-30-09	
Lab ID:	10-228-05					
Client ID:	**Containment-NWall-1009**					
Arsenic	**ND**	13	6010B	10-30-09	10-30-09	
Cadmium	**ND**	0.63	6010B	10-30-09	10-30-09	
Chromium	**7.2**	0.63	6010B	10-30-09	10-30-09	
Copper	**7.0**	1.3	6010B	10-30-09	10-30-09	
Lead	**ND**	6.3	6010B	10-30-09	10-30-09	
Mercury	**ND**	0.31	7471A	10-30-09	10-30-09	
Nickel	**4.1**	3.1	6010B	10-30-09	10-30-09	
Zinc	**17**	3.1	6010B	10-30-09	10-30-09	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-228-09					
Client ID:	**Stockpile-C1**					
Arsenic	**ND**	11	6010B	10-30-09	10-30-09	
Cadmium	**ND**	0.55	6010B	10-30-09	10-30-09	
Chromium	**12**	0.55	6010B	10-30-09	10-30-09	
Copper	**14**	1.1	6010B	10-30-09	10-30-09	
Lead	**14**	5.5	6010B	10-30-09	10-30-09	
Mercury	**ND**	0.28	7471A	10-30-09	10-30-09	
Nickel	**12**	2.8	6010B	10-30-09	10-30-09	
Zinc	**59**	2.8	6010B	10-30-09	10-30-09	
Lab ID:	10-228-11					
Client ID:	**Stockpile-C2**					
Arsenic	**ND**	11	6010B	10-30-09	10-30-09	
Cadmium	**ND**	0.55	6010B	10-30-09	10-30-09	
Chromium	**16**	0.55	6010B	10-30-09	10-30-09	
Copper	**17**	1.1	6010B	10-30-09	10-30-09	
Lead	**9.8**	5.5	6010B	10-30-09	10-30-09	
Mercury	**ND**	0.28	7471A	10-30-09	10-30-09	
Nickel	**19**	2.8	6010B	10-30-09	10-30-09	
Zinc	**120**	2.8	6010B	10-30-09	10-30-09	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-228-12					
Client ID:	**Stockpile-C3**					
Arsenic	**ND**	11	6010B	10-30-09	10-30-09	
Cadmium	**ND**	0.55	6010B	10-30-09	10-30-09	
Chromium	**13**	0.55	6010B	10-30-09	10-30-09	
Copper	**17**	1.1	6010B	10-30-09	10-30-09	
Lead	**14**	5.5	6010B	10-30-09	10-30-09	
Mercury	**ND**	0.28	7471A	10-30-09	10-30-09	
Nickel	**14**	2.8	6010B	10-30-09	10-30-09	
Zinc	**47**	2.8	6010B	10-30-09	10-30-09	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1030S1&MB1030S3

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Copper	6010B	**ND**	1.0
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Nickel	6010B	**ND**	2.5
Zinc	6010B	**ND**	2.5

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-228-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**7.30**	**6.60**	10	0.50	
Copper	**6.85**	**7.45**	8	1.0	
Lead	**ND**	**ND**	NA	5.0	
Mercury	**ND**	**ND**	NA	0.25	
Nickel	**8.45**	**8.15**	4	2.5	
Zinc	**16.2**	**14.5**	11	2.5	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-228-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**94.8**	95	**92.7**	93	2	
Cadmium	50	**50.2**	100	**48.4**	97	4	
Chromium	100	**108**	101	**104**	96	5	
Copper	50	**59.3**	105	**57.5**	101	3	
Lead	250	**244**	98	**235**	94	4	
Mercury	0.50	**0.461**	92	**0.475**	95	3	
Nickel	100	**111**	102	**106**	98	4	
Zinc	100	**116**	100	**114**	98	2	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TOTAL METALS
EPA 200.8/7470A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-228-03					
Client ID:	**Contain-GW-1009**					
Arsenic	**58**	3.3	200.8	10-31-09	10-31-09	
Cadmium	**ND**	4.4	200.8	10-31-09	10-31-09	
Chromium	**110**	110	200.8	10-31-09	11-2-09	
Copper	**310**	11	200.8	10-31-09	10-31-09	
Lead	**500**	1.1	200.8	10-31-09	10-31-09	
Mercury	**0.88**	0.50	7470A	11-4-09	11-4-09	
Nickel	**120**	22	200.8	10-31-09	10-31-09	
Zinc	**2000**	280	200.8	10-31-09	11-2-09	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TOTAL METALS
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-31-09
Date Analyzed: 10-31-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1031W2

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Copper	200.8	**ND**	11
Lead	200.8	**ND**	1.1
Nickel	200.8	**ND**	22
Zinc	200.8	**ND**	28

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TOTAL METALS
EPA 7470A
METHOD BLANK QUALITY CONTROL

Date Extracted:	11-4-09
Date Analyzed:	11-4-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB1104W1

Analyte	Method	Result	PQL
Mercury	7470A	**ND**	0.50

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TOTAL METALS
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Extracted: 10-31-09
Date Analyzed: 10-31-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 10-185-10

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**12.3**	**12.9**	5	3.3	
Cadmium	**ND**	**ND**	NA	4.4	
Chromium	**30.1**	**35.8**	17	11	
Copper	**110**	**115**	4	11	
Lead	**14.2**	**14.7**	4	1.1	
Nickel	**26.2**	**28.6**	9	22	
Zinc	**117**	**112**	5	28	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TOTAL METALS
EPA 7470A
DUPLICATE QUALITY CONTROL

Date Extracted: 11-4-09
Date Analyzed: 11-4-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 11-012-20

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Mercury	**ND**	**ND**	NA	0.50	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TOTAL METALS
EPA 200.8
MS/MSD QUALITY CONTROL

Date Extracted: 10-31-09
Date Analyzed: 10-31-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 10-185-10

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	110	**121**	99	**124**	101	3	
Cadmium	110	**111**	101	**110**	100	1	
Chromium	110	**122**	84	**122**	84	0	
Copper	110	**209**	89	**215**	95	3	
Lead	110	**121**	97	**124**	99	2	
Nickel	110	**124**	89	**131**	95	6	
Zinc	110	**216**	90	**226**	99	5	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TOTAL METALS
EPA 7470A
MS/MSD QUALITY CONTROL

Date Extracted: 11-4-09
Date Analyzed: 11-4-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 11-012-20

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Mercury	12.5	**11.8**	94	**11.8**	94	0	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-228-06					
Client ID:	**Containment-EWall-1009**					
Arsenic	**ND**	12	6010B	11-3-09	11-5-09	
Cadmium	**ND**	0.59	6010B	11-3-09	11-5-09	
Chromium	**21**	0.59	6010B	11-3-09	11-5-09	
Copper	**13**	1.2	6010B	11-3-09	11-5-09	
Lead	**ND**	5.9	6010B	11-3-09	11-5-09	
Mercury	**ND**	0.30	7471A	11-4-09	11-4-09	
Nickel	**25**	3.0	6010B	11-3-09	11-5-09	
Zinc	**31**	3.0	6010B	11-3-09	11-5-09	
Lab ID:	10-228-07					
Client ID:	**Containment-WWall-1009**					
Arsenic	**ND**	12	6010B	11-3-09	11-5-09	
Cadmium	**ND**	0.58	6010B	11-3-09	11-5-09	
Chromium	**12**	0.58	6010B	11-3-09	11-5-09	
Copper	**20**	1.2	6010B	11-3-09	11-5-09	
Lead	**34**	5.8	6010B	11-3-09	11-5-09	
Mercury	**ND**	0.29	7471A	11-4-09	11-4-09	
Nickel	**12**	2.9	6010B	11-3-09	11-5-09	
Zinc	**55**	2.9	6010B	11-3-09	11-5-09	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-228-08					
Client ID:	**Pipe-1-1009**					
Arsenic	**ND**	17	6010B	11-3-09	11-5-09	
Cadmium	**ND**	0.87	6010B	11-3-09	11-5-09	
Chromium	**26**	0.87	6010B	11-3-09	11-5-09	
Copper	**39**	1.7	6010B	11-3-09	11-5-09	
Lead	**21**	8.7	6010B	11-3-09	11-5-09	
Mercury	**ND**	0.44	7471A	11-4-09	11-4-09	
Nickel	**25**	4.4	6010B	11-3-09	11-5-09	
Zinc	**100**	4.4	6010B	11-3-09	11-5-09	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 11-3&4-09
Date Analyzed: 11-3&4-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1103S3&MB1104S1

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Copper	6010B	**ND**	1.0
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Nickel	6010B	**ND**	2.5
Zinc	6010B	**ND**	2.5

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 11-3&4-09
Date Analyzed: 11-3&4-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-238-03

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**7.85**	**7.25**	8	0.50	
Copper	**7.10**	**6.90**	3	1.0	
Lead	**ND**	**ND**	NA	5.0	
Mercury	**ND**	**ND**	NA	0.25	
Nickel	**6.95**	**5.50**	23	2.5	C
Zinc	**16.1**	**15.2**	5	2.5	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 11-3&4-09
Date Analyzed: 11-3&4-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-238-03

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**99.7**	100	**98.1**	98	2	
Cadmium	50	**47.4**	95	**47.2**	94	1	
Chromium	100	**104**	97	**105**	97	0	
Copper	50	**59.2**	104	**60.8**	107	3	
Lead	250	**216**	87	**219**	88	1	
Mercury	0.50	**0.520**	104	**0.515**	103	1	
Nickel	100	**103**	97	**104**	97	1	
Zinc	100	**112**	96	**113**	97	0	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TCLP CHROMIUM
EPA 1311/6010B

Matrix: TCLP Extract
Units: mg/L (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-228-10					
Client ID:	**PCS-2**					
Chromium	**ND**	0.020	6010B	11-5-09	11-5-09	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TCLP CHROMIUM
EPA 1311/6010B
METHOD BLANK QUALITY CONTROL

Date Prepared:	11-4-09
Date Extracted:	11-5-09
Date Analyzed:	11-5-09
Matrix:	TCLP Extract
Units:	mg/L (ppm)
Lab ID:	MB1105T1

Analyte	Method	Result	PQL
Chromium	6010B	**ND**	0.020

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TCLP CHROMIUM
EPA 1311/6010B
DUPLICATE QUALITY CONTROL

Date Prepared: 11-4-09
Date Extracted: 11-5-09
Date Analyzed: 11-5-09

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 11-032-25

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Chromium	**ND**	**ND**	NA	0.020	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TCLP CHROMIUM
EPA 1311/6010B
MS/MSD QUALITY CONTROL

Date Prepared: 11-4-09
Date Extracted: 11-5-09
Date Analyzed: 11-5-09

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 11-032-25

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Chromium	4.0	**4.17**	104	**4.03**	101	4	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TCLP LEAD
by EPA 1311/6010B

Matrix: TCLP Extract
Units: mg/L (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-228-07					
Client ID:	**Containment-WWall-1009**					
Lead	**ND**	0.20	6010B	11-10-09	11-10-09	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TCLP LEAD
by EPA 1311/6010B
METHOD BLANK QUALITY CONTROL

Date Prepared:	11-9-09
Date Extracted:	11-10-09
Date Analyzed:	11-10-09
Matrix:	TCLP Extract
Units:	mg/L (ppm)
Lab ID:	MB1110T1

Analyte	Method	Result	PQL
Lead	6010B	**ND**	0.20

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TCLP LEAD
by EPA 1311/6010B
DUPLICATE QUALITY CONTROL

Date Prepared: 11-9-09
Date Extracted: 11-10-09
Date Analyzed: 11-10-09

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 10-228-07

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**ND**	**ND**	NA	0.20	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

TCLP LEAD
by EPA 1311/6010B
MS/MSD QUALITY CONTROL

Date Prepared: 11-9-09
Date Extracted: 11-10-09
Date Analyzed: 11-10-09

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 10-228-07

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	10	**10.8**	108	**10.8**	108	0	

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Date of Report: November 11, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-228
Project: 14697

% MOISTURE

Date Analyzed: 10-29&11-3-09

Client ID	Lab ID	% Moisture
Tank 1-B-1009	10-228-01	23
Containment-S wall-1009	10-228-02	18
Tank 2-B-1009	10-228-04	20
Containment-N wall-1009	10-228-05	20
Containment-E wall-1009	10-228-06	16
Containment-W wall-1009	10-228-07	14
Pipe-1-1009	10-228-08	43
Stockpile-C1	10-228-09	10
PCS-2	10-228-10	12
Stockpile-C2	10-228-11	10
Stockpile-C3	10-228-12	10

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z - The sample chromatogram is similar to mineral spirits.

Z1 - The sample chromatogram is similar to mineral spirits with GRO.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

Page 1 of 2

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC Geomatrix
Project Number: 14697
Project Name: Kelly-Moore
Project Manager: Tasya Gray
Sampled by:

Turnaround Request (in working days)

(Check One)

☐ Same Day ☐ 1 Day
☐ 2 Day ☐ 3 Day
☐ Standard (7 working days)
(TPH analysis 5 working days)
☒ see notes
(other)

Laboratory Number: 10-228

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx w/ acid wash silica gel cleanup	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D/ SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8) As Cd Cr Pb Ni Hg Zn	TCLP Metals RCRA	HEM by 1664	1 Day TAT	3 Day TAT	MS/DS	TCLP Chromium	HOLD	TCLP LEAD	% Moisture
1	Tank 1- B- 1009	10/27/09	1310	S	12 (MS13)		/	/	/		/					/					/				X
2	Containment-S wall- 1009		1315	S	6		/	/	/		/					/									↓
3	Contain- GW- 1009		1420	W	10		/	/	/		/					/									
4	Tank 2- B- 1009		1455	S	6		/	/	/		/					/									X
5	Containment- N Wall- 1009		1505	S	6		/	/	/		/					/				/					↓
6	Containment- E Wall- 1009	↓	1515	S	6		X	X	X		X					X				3/NC		X NO			X
7	Containment- W Wall- 1009	10/28/09	745	S	6		X	X	X		X					X				5 NO		X NO	●		X
8	Pipe- 1- 1009		930	S	6		X	X	X		X					X						X NO			X
9	Stockpile- C1		1000	S	6		/	/	/		/					/				/					X
10	PCS-2	↓	1005	S	68		/	/	/		/		/			/ (8)	/ (15)		/			0			↓

	Signature	Company	Date	Time
Relinquished by		AMEC GMX	10/28/09	1540
Received by		Specialty	10-28-09	1540
Relinquished by		"	"	1723
Received by		OnSite Env	10/28/09	1723
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions:

Standard TAT unless noted
Added 11/3/09. DB. (2 day TAT)
○ Added 11/4/09. DB (1 day TAT)
● Added 11/9/09. DB (1 day TAT)

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Client Copy

Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC Geomatrix
Project Number: 14697
Project Name: Kelly-Moore
Project Manager: Tasya Gracy
Sampled by:

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Day
- ☐ 3 Day
- ☐ Standard (7 working days) (TPH analysis 5 working days)
- ☒ see notes (other)

Laboratory Number: 10-228

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/~~BTEX~~	NWTPH-Dx w/silica gel & acid wash cleanup	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	1 Day TAT	3 Day TAT				% Moisture
11	Stockpile - C2	10/28/09	1020	S	6		/	/	/		/					/				/				X
12	Stockpile - C3	10/28/09	1330	S	6		/	/	/		/					/				/				↓
13	Trip Blank	—	—	W	2				/															

	Signature	Company	Date	Time
Relinquished by		AMEC GMX	10/28/09	1540
Received by		Speedy	10-28-09	1540
Relinquished by		"	"	1723
Received by			10/28/09	1723
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions: Standard TAT unless noted

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Client Copy

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

January 5, 2010

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0912-170

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on December 23, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,



David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

Case Narrative

Samples were collected on December 23, 2009, and received by the laboratory on December 23, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-17-W-1209**					
Laboratory ID:	12-170-06					
Gasoline	**ND**	100	NWTPH-Gx	12-29-09	12-29-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*74-121*				
Client ID:	**KM-19-W-1209**					
Laboratory ID:	12-170-09					
Gasoline	**710**	100	NWTPH-Gx	12-29-09	12-29-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*74-121*				
Client ID:	**KM-20-W-1209**					
Laboratory ID:	12-170-12					
Gasoline	**ND**	400	NWTPH-Gx	12-29-09	12-29-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*88*	*74-121*				

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Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

NWTPH-Gx
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1229W2					
Gasoline	**ND**	100	NWTPH-Gx	12-29-09	12-29-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*74-121*				

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	12-165-01									
	ORIG	DUP								
Gasoline	**ND**	**ND**	NA	NA	NA		NA	NA	30	
Surrogate:										
Fluorobenzene					*95*	*95*	*74-121*			

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 12-30-09
Date Analyzed: 12-30-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 12-170-06
Client ID: KM-17-W-1209

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	0.27		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	0.23		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	0.77		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	11		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	0.37		0.20
1,1,1-Trichloroethane	0.33		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	0.28		0.20
Trichloroethene	9.0		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 12-170-06
Client ID: KM-17-W-1209

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	100	71-126
Toluene-d8	88	76-116
4-Bromofluorobenzene	85	70-123

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 12-30-09
Date Analyzed: 12-30-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 12-170-09
Client ID: KM-19-W-1209

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

VOLATILES by EPA 8260B
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Lab ID: 12-170-09
Client ID: KM-19-W-1209

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	18		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	34		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	0.79		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	13		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	5.5		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	95	71-126
Toluene-d8	94	76-116
4-Bromofluorobenzene	91	70-123

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

VOLATILES by EPA 8260B
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Date Extracted: 12-30-09
Date Analyzed: 12-30-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 12-170-12
Client ID: KM-20-W-1209

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	1.1		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

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Page 2 of 2

Lab ID: 12-170-12
Client ID: KM-20-W-1209

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	12		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	16		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	0.69		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	6.4		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	0.91		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	93	71-126
Toluene-d8	89	76-116
4-Bromofluorobenzene	81	70-123

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Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted: 12-30-09
Date Analyzed: 12-30-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1230W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB1230W1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	95	71-126
Toluene-d8	83	76-116
4-Bromofluorobenzene	77	70-123

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Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Date Extracted: 12-30-09
Date Analyzed: 12-30-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 12-170-06

Compound	Sample Amount	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	ND	10.0	12.0	120	11.5	115	70-130	
Benzene	ND	10.0	10.8	108	11.0	110	81-125	
Trichloroethene	8.98	10.0	18.6	96	18.4	94	79-116	
Toluene	ND	10.0	9.63	96	9.57	96	88-118	
Chlorobenzene	ND	10.0	10.2	102	10.1	101	75-121	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	4	22	
Benzene	2	11	
Trichloroethene	1	11	
Toluene	1	14	
Chlorobenzene	0	14	

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Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

cPAHs by EPA 8270D/SIM

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-17-W-1209**					
Laboratory ID:	12-170-06					
Benzo[a]anthracene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Chrysene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Benzo[b]fluoranthene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Benzo[k]fluoranthene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Benzo[a]pyrene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Dibenz[a,h]anthracene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*76*	*35 - 100*				
Pyrene-d10	*87*	*27 - 108*				
Terphenyl-d14	*80*	*36 - 125*				
Client ID:	**KM-19-W-1209**					
Laboratory ID:	12-170-09					
Benzo[a]anthracene	**0.0098**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Chrysene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Benzo[b]fluoranthene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Benzo[k]fluoranthene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Benzo[a]pyrene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Dibenz[a,h]anthracene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*69*	*35 - 100*				
Pyrene-d10	*81*	*27 - 108*				
Terphenyl-d14	*73*	*36 - 125*				
Client ID:	**KM-20-W-1209**					
Laboratory ID:	12-172-12					
Benzo[a]anthracene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Chrysene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Benzo[b]fluoranthene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Benzo[k]fluoranthene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Benzo[a]pyrene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Dibenz[a,h]anthracene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*72*	*35 - 100*				
Pyrene-d10	*81*	*27 - 108*				
Terphenyl-d14	*75*	*36 - 125*				

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Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

cPAHs by EPA 8270D/SIM
QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1228W1					
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	12-28-09	12-28-09	
Chrysene	**ND**	0.010	EPA 8270/SIM	12-28-09	12-28-09	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	12-28-09	12-28-09	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	12-28-09	12-28-09	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	12-28-09	12-28-09	
Indeno(1,2,3-c,d)pyrene	**ND**	0.010	EPA 8270/SIM	12-28-09	12-28-09	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	12-28-09	12-28-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*72*	*35 - 100*				
Pyrene-d10	*79*	*27 - 108*				
Terphenyl-d14	*67*	*36 - 125*				

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1228W1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.335**	**0.375**	0.500	0.500	67	75	35 - 111	11	30	
Acenaphthylene	**0.380**	**0.481**	0.500	0.500	76	96	30 - 109	23	30	
Acenaphthene	**0.361**	**0.415**	0.500	0.500	72	83	46 - 101	14	29	
Fluorene	**0.407**	**0.466**	0.500	0.500	81	93	50 - 104	14	25	
Phenanthrene	**0.356**	**0.425**	0.500	0.500	71	85	55 - 97	18	23	
Anthracene	**0.406**	**0.486**	0.500	0.500	81	97	49 - 101	18	32	
Fluoranthene	**0.395**	**0.477**	0.500	0.500	79	95	59 - 102	19	23	
Pyrene	**0.390**	**0.471**	0.500	0.500	78	94	62 - 104	19	22	
Benzo[a]anthracene	**0.337**	**0.418**	0.500	0.500	67	84	57 - 100	21	25	
Chrysene	**0.333**	**0.413**	0.500	0.500	67	83	58 - 103	21	25	
Benzo[b]fluoranthene	**0.378**	**0.465**	0.500	0.500	76	93	61 - 100	21	27	
Benzo[k]fluoranthene	**0.372**	**0.451**	0.500	0.500	74	90	53 - 103	19	30	
Benzo[a]pyrene	**0.376**	**0.461**	0.500	0.500	75	92	35 - 107	20	32	
Indeno(1,2,3-c,d)pyrene	**0.303**	**0.363**	0.500	0.500	61	73	47 - 105	18	34	
Dibenz[a,h]anthracene	**0.303**	**0.361**	0.500	0.500	61	72	39 - 108	17	33	
Benzo[g,h,i]perylene	**0.306**	**0.353**	0.500	0.500	61	71	41 - 104	14	40	
Surrogate:										
2-Fluorobiphenyl					*69*	*79*	*35 - 100*			
Pyrene-d10					*82*	*99*	*27 - 108*			
Terphenyl-d14					*69*	*86*	*36 - 125*			

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Page 1 of 2

Company: Amec-Geomatrix
Project Number: 14697
Project Name: Kelly Moore
Project Manager: Josya Gray
Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

☐ Same Day ☐ 1 Day
☐ 2 Day ☐ 3 Day
☒ Standard (7 working days)
(TPH analysis 5 working days)
☐ _____ (other)

Laboratory Number: 12-170

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	cPAHs	HOLD					% Moisture
1	KM-17-2-1209	12/23/09	900	S	11		X		X										X	X					
2	KM-17-8-1209		905	S	5		X		X										X	X					
3	KM-18-4-1209		1100	S	5		X		X										X	X					
4	KM-18-8-1209		1105	S	5		X		X										X	X					
5	KM-18-W-1209		1130	W	7		X		X										X	X					
6	KM-17-W-1209		945	W	14		X		X										X						
7	KM-19-4-1209		1220	S	5		X		X										X	X					
8	KM-19-6.5-1209		1225	S	5		X		X										X	X					
9	KM-19-W-1209		1315	W	7		X		X										X						
10	KM-20-3-1209	↓	1330	S	5		X		X										X	X					

	Signature	Company	Date	Time
Relinquished by		Amec	12/23/09	1650
Received by				1650
Relinquished by				
Received by				
Relinquished by				
Received by				

Comments/Special Instructions:
KM-17-2-1209 & KM-17-W-1209 volume for MS/MSD
See HOLDS

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐

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Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Amec-Geomatrix
Project Number: 14697
Project Name: Tasya Gray
Project Manager: Kelly Moore
Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Day ☐ 3 Day
- ☒ Standard (7 working days)
  (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 12-170

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	cPAHs	HOLD					% Moisture
11	KM-20-7-1209	12/23/09	1335	S	5		X		X										X	X					
12	KM-20-W-1209		1415	W	7		X		X										X	X					
13	KM-21-3-1209		1445	S	5		X		X										X	X					
14	KM-21-7-1209		1450	S	5		X		X										X	X					
15	KM-21-W-1209		1530	W	7		X		X										X	X					
																				CB					

	Signature	Company	Date	Time	Comments/Special Instructions:
Relinquished by	Chris Brown	Amec	12/23/09	1650	SEE HOLDS
Received by			12/23/09	1650	
Relinquished by					
Received by					
Relinquished by					
Received by					
Reviewed by/Date		Reviewed by/Date			Chromatograms with final report ☐

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OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

January 11, 2010

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0912-170B

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on December 23, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

Case Narrative

Samples were collected on December 23, 2009, and received by the laboratory on December 23, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx (soil) Analysis

The sample chromatograms for KM-19-4-1209 and KM-19-6.5-1209 are similar to mineral spirits.

Volatiles (soil) EPA 8260B Analysis

Some MTCA Method A cleanup levels are non-achievable for samples KM-19-4-1209 and KM-19-6.5-1209 due to the necessary dilution of the samples.

The holding times for samples KM-17-2-1209, KM-17-8-1209, KM-19-4-1209, KM-19-6.5-1209, KM-20-3-1209, and KM-20-7-1209 were exceeded by up to 6 hours.

Please note that any other QA/QC issues associated with these analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-19-4-1209**					
Laboratory ID:	12-170-07					
Gasoline	**430**	9.9	NWTPH-Gx	1-6-10	1-6-10	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*102*	*53-126*				
Client ID:	**KM-19-6.5-1209**					
Laboratory ID:	12-170-08					
Gasoline	**8200**	130	NWTPH-Gx	1-6-10	1-6-10	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*58*	*53-126*				

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Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

NWTPH-Gx
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0106S1					
Gasoline	**ND**	5.0	NWTPH-Gx	1-6-10	1-6-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*78*	*53-126*				

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	12-170-07									
	ORIG	DUP								
Gasoline	**431**	**413**	NA	NA	NA		NA	4	30	
Surrogate:										
Fluorobenzene					*102*	*90*	*53-126*			

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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-21-W-1209**					
Laboratory ID:	12-170-15					
Gasoline	**ND**	100	NWTPH-Gx	1-6-10	1-6-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*74-121*				

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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0106W1					
Gasoline	**ND**	100	NWTPH-Gx	1-6-10	1-6-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*82*	*74-121*				

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	12-170-15									
	ORIG	DUP								
Gasoline	**ND**	**ND**	NA	NA	NA		NA	NA	30	
Surrogate:										
Fluorobenzene					*84*	*80*	*74-121*			

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 1-6-10
Date Analyzed: 1-6-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 12-170-01
Client ID: KM-17-2-1209

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0058
Vinyl Chloride	ND		0.0058
Bromomethane	ND		0.0012
Chloroethane	ND		0.0058
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	ND		0.0058
Iodomethane	ND		0.0058
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0058
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0058
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	ND		0.0058
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0058
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0058
Toluene	ND		0.0058
(trans) 1,3-Dichloropropene	ND		0.0012

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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 12-170-01
Client ID: KM-17-2-1209

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0058
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0023
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0058
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0058
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	94	55-125
Toluene-d8	94	56-127

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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 1-6-10
Date Analyzed: 1-6-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 12-170-02
Client ID: KM-17-8-1209

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0015
Chloromethane	ND		0.0077
Vinyl Chloride	ND		0.0077
Bromomethane	ND		0.0015
Chloroethane	ND		0.0077
Trichlorofluoromethane	ND		0.0015
1,1-Dichloroethene	ND		0.0015
Acetone	ND		0.0077
Iodomethane	ND		0.0077
Carbon Disulfide	ND		0.0015
Methylene Chloride	ND		0.0077
(trans) 1,2-Dichloroethene	ND		0.0015
Methyl t-Butyl Ether	ND		0.0015
1,1-Dichloroethane	ND		0.0015
Vinyl Acetate	ND		0.0077
2,2-Dichloropropane	ND		0.0015
(cis) 1,2-Dichloroethene	ND		0.0015
2-Butanone	ND		0.0077
Bromochloromethane	ND		0.0015
Chloroform	ND		0.0015
1,1,1-Trichloroethane	ND		0.0015
Carbon Tetrachloride	ND		0.0015
1,1-Dichloropropene	ND		0.0015
Benzene	ND		0.0015
1,2-Dichloroethane	ND		0.0015
Trichloroethene	ND		0.0015
1,2-Dichloropropane	ND		0.0015
Dibromomethane	ND		0.0015
Bromodichloromethane	ND		0.0015
2-Chloroethyl Vinyl Ether	ND		0.0077
(cis) 1,3-Dichloropropene	ND		0.0015
Methyl Isobutyl Ketone	ND		0.0077
Toluene	ND		0.0077
(trans) 1,3-Dichloropropene	ND		0.0015

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 12-170-02
Client ID: KM-17-8-1209

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0015
Tetrachloroethene	ND		0.0015
1,3-Dichloropropane	ND		0.0015
2-Hexanone	ND		0.0077
Dibromochloromethane	ND		0.0015
1,2-Dibromoethane	ND		0.0015
Chlorobenzene	ND		0.0015
1,1,1,2-Tetrachloroethane	ND		0.0015
Ethylbenzene	ND		0.0015
m,p-Xylene	ND		0.0031
o-Xylene	ND		0.0015
Styrene	ND		0.0015
Bromoform	ND		0.0015
Isopropylbenzene	ND		0.0015
Bromobenzene	ND		0.0015
1,1,2,2-Tetrachloroethane	ND		0.0015
1,2,3-Trichloropropane	ND		0.0015
n-Propylbenzene	ND		0.0015
2-Chlorotoluene	ND		0.0015
4-Chlorotoluene	ND		0.0015
1,3,5-Trimethylbenzene	ND		0.0015
tert-Butylbenzene	ND		0.0015
1,2,4-Trimethylbenzene	ND		0.0015
sec-Butylbenzene	ND		0.0015
1,3-Dichlorobenzene	ND		0.0015
p-Isopropyltoluene	ND		0.0015
1,4-Dichlorobenzene	ND		0.0015
1,2-Dichlorobenzene	ND		0.0015
n-Butylbenzene	ND		0.0015
1,2-Dibromo-3-chloropropane	ND		0.0077
1,2,4-Trichlorobenzene	ND		0.0015
Hexachlorobutadiene	ND		0.0077
Naphthalene	ND		0.0015
1,2,3-Trichlorobenzene	ND		0.0015

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	90	55-125
Toluene-d8	90	56-127
4-Bromofluorobenzene	74	54-130

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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 1-6-10
Date Analyzed: 1-6-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 12-170-07
Client ID: KM-19-4-1209

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.087
Chloromethane	ND		0.43
Vinyl Chloride	ND		0.43
Bromomethane	ND		0.087
Chloroethane	ND		0.43
Trichlorofluoromethane	ND		0.087
1,1-Dichloroethene	ND		0.087
Acetone	ND		0.43
Iodomethane	ND		0.43
Carbon Disulfide	ND		0.087
Methylene Chloride	ND		0.43
(trans) 1,2-Dichloroethene	ND		0.087
Methyl t-Butyl Ether	ND		0.087
1,1-Dichloroethane	ND		0.087
Vinyl Acetate	ND		0.43
2,2-Dichloropropane	ND		0.087
(cis) 1,2-Dichloroethene	ND		0.087
2-Butanone	ND		0.43
Bromochloromethane	ND		0.087
Chloroform	ND		0.087
1,1,1-Trichloroethane	ND		0.087
Carbon Tetrachloride	ND		0.087
1,1-Dichloropropene	ND		0.087
Benzene	ND		0.087
1,2-Dichloroethane	ND		0.087
Trichloroethene	ND		0.087
1,2-Dichloropropane	ND		0.087
Dibromomethane	ND		0.087
Bromodichloromethane	ND		0.087
2-Chloroethyl Vinyl Ether	ND		0.43
(cis) 1,3-Dichloropropene	ND		0.087
Methyl Isobutyl Ketone	ND		0.43
Toluene	ND		0.43
(trans) 1,3-Dichloropropene	ND		0.087

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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 12-170-07
Client ID: KM-19-4-1209

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.087
Tetrachloroethene	ND		0.087
1,3-Dichloropropane	ND		0.087
2-Hexanone	ND		0.43
Dibromochloromethane	ND		0.087
1,2-Dibromoethane	ND		0.087
Chlorobenzene	ND		0.087
1,1,1,2-Tetrachloroethane	ND		0.087
Ethylbenzene	ND		0.087
m,p-Xylene	ND		0.17
o-Xylene	ND		0.087
Styrene	ND		0.087
Bromoform	ND		0.087
Isopropylbenzene	ND		0.087
Bromobenzene	ND		0.087
1,1,2,2-Tetrachloroethane	ND		0.087
1,2,3-Trichloropropane	ND		0.087
n-Propylbenzene	ND		0.087
2-Chlorotoluene	ND		0.087
4-Chlorotoluene	ND		0.087
1,3,5-Trimethylbenzene	ND		0.087
tert-Butylbenzene	ND		0.087
1,2,4-Trimethylbenzene	ND		0.087
sec-Butylbenzene	ND		0.087
1,3-Dichlorobenzene	ND		0.087
p-Isopropyltoluene	ND		0.087
1,4-Dichlorobenzene	ND		0.087
1,2-Dichlorobenzene	ND		0.087
n-Butylbenzene	ND		0.087
1,2-Dibromo-3-chloropropane	ND		0.43
1,2,4-Trichlorobenzene	ND		0.087
Hexachlorobutadiene	ND		0.43
Naphthalene	ND		0.087
1,2,3-Trichlorobenzene	ND		0.087

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	95	55-125
Toluene-d8	95	56-127
4-Bromofluorobenzene	85	54-130

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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 1-6-10
Date Analyzed: 1-6-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 12-170-08
Client ID: KM-19-6.5-1209

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.33
Chloromethane	ND		1.6
Vinyl Chloride	ND		1.6
Bromomethane	ND		0.33
Chloroethane	ND		1.6
Trichlorofluoromethane	ND		0.33
1,1-Dichloroethene	ND		0.33
Acetone	ND		1.6
Iodomethane	ND		1.6
Carbon Disulfide	ND		0.33
Methylene Chloride	ND		1.6
(trans) 1,2-Dichloroethene	ND		0.33
Methyl t-Butyl Ether	ND		0.33
1,1-Dichloroethane	ND		0.33
Vinyl Acetate	ND		1.6
2,2-Dichloropropane	ND		0.33
(cis) 1,2-Dichloroethene	ND		0.33
2-Butanone	ND		1.6
Bromochloromethane	ND		0.33
Chloroform	ND		0.33
1,1,1-Trichloroethane	ND		0.33
Carbon Tetrachloride	ND		0.33
1,1-Dichloropropene	ND		0.33
Benzene	ND		0.33
1,2-Dichloroethane	ND		0.33
Trichloroethene	ND		0.33
1,2-Dichloropropane	ND		0.33
Dibromomethane	ND		0.33
Bromodichloromethane	ND		0.33
2-Chloroethyl Vinyl Ether	ND		1.6
(cis) 1,3-Dichloropropene	ND		0.33
Methyl Isobutyl Ketone	ND		1.6
Toluene	ND		1.6
(trans) 1,3-Dichloropropene	ND		0.33

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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

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Lab ID: 12-170-08
Client ID: KM-19-6.5-1209

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.33
Tetrachloroethene	ND		0.33
1,3-Dichloropropane	ND		0.33
2-Hexanone	ND		1.6
Dibromochloromethane	ND		0.33
1,2-Dibromoethane	ND		0.33
Chlorobenzene	ND		0.33
1,1,1,2-Tetrachloroethane	ND		0.33
Ethylbenzene	ND		0.33
m,p-Xylene	ND		0.66
o-Xylene	ND		0.33
Styrene	ND		0.33
Bromoform	ND		0.33
Isopropylbenzene	22		0.33
Bromobenzene	ND		0.33
1,1,2,2-Tetrachloroethane	ND		0.33
1,2,3-Trichloropropane	ND		0.33
n-Propylbenzene	57		0.33
2-Chlorotoluene	ND		0.33
4-Chlorotoluene	ND		0.33
1,3,5-Trimethylbenzene	ND		0.33
tert-Butylbenzene	2.0		0.33
1,2,4-Trimethylbenzene	ND		0.33
sec-Butylbenzene	38		0.33
1,3-Dichlorobenzene	ND		0.33
p-Isopropyltoluene	ND		0.33
1,4-Dichlorobenzene	ND		0.33
1,2-Dichlorobenzene	ND		0.33
n-Butylbenzene	29		0.33
1,2-Dibromo-3-chloropropane	ND		1.6
1,2,4-Trichlorobenzene	ND		0.33
Hexachlorobutadiene	ND		1.6
Naphthalene	ND		0.33
1,2,3-Trichlorobenzene	ND		0.33

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	95	55-125
Toluene-d8	96	56-127
4-Bromofluorobenzene	91	54-130

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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
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Project: 14697

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Date Extracted: 1-6-10
Date Analyzed: 1-6-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 12-170-10
Client ID: KM-20-3-1209

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0061
Vinyl Chloride	ND		0.0061
Bromomethane	ND		0.0012
Chloroethane	ND		0.0061
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	ND		0.0061
Iodomethane	ND		0.0061
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0061
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0061
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	ND		0.0061
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0061
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0061
Toluene	ND		0.0061
(trans) 1,3-Dichloropropene	ND		0.0012

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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
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Lab ID: 12-170-10
Client ID: KM-20-3-1209

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0061
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0025
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0061
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0061
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	112	55-125
Toluene-d8	90	56-127
4-Bromofluorobenzene	70	54-130

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Date of Report: January 11, 2010
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Date Extracted: 1-6-10
Date Analyzed: 1-6-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 12-170-11
Client ID: KM-20-7-1209

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0060
Vinyl Chloride	ND		0.0060
Bromomethane	ND		0.0012
Chloroethane	ND		0.0060
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	ND		0.0060
Iodomethane	ND		0.0060
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0060
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0060
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	ND		0.0060
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0060
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0060
Toluene	ND		0.0060
(trans) 1,3-Dichloropropene	ND		0.0012

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Date of Report: January 11, 2010
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Lab ID: 12-170-11
Client ID: KM-20-7-1209

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0060
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0024
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0060
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0060
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	107	55-125
Toluene-d8	93	56-127
4-Bromofluorobenzene	79	54-130

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Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted: 1-6-10
Date Analyzed: 1-6-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0106S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0050
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Lab ID: MB0106S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	96	55-125
Toluene-d8	99	56-127
4-Bromofluorobenzene	79	54-130

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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Date Extracted: 1-6-10
Date Analyzed: 1-6-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 12-170-01

Compound	Sample Amount	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	ND	0.0691/0.0617	0.0548	79	0.0538	87	70-130	
Benzene	ND	0.0691/0.0617	0.0639	92	0.0628	102	70-130	
Trichloroethene	ND	0.0691/0.0617	0.0634	92	0.0617	100	70-124	
Toluene	ND	0.0691/0.0617	0.0654	95	0.0632	102	70-130	
Chlorobenzene	ND	0.0691/0.0617	0.0764	111	0.0614	100	72-127	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	9	14	
Benzene	10	17	
Trichloroethene	9	13	
Toluene	8	16	
Chlorobenzene	11	15	

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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
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Project: 14697

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Date Extracted: 1-6-10
Date Analyzed: 1-6-10

Matrix: Water
Units: ug/L (ppb)

Lab ID: 12-170-05
Client ID: KM-18-W-1209

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Lab ID: 12-170-05
Client ID: KM-18-W-1209

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	0.61		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	0.96		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	160		10
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	85	71-126
Toluene-d8	87	76-116
4-Bromofluorobenzene	82	70-123

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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
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Date Extracted:	1-6-10
Date Analyzed:	1-6-10
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	12-170-15
Client ID:	**KM-21-W-1209**

Compound	**Results**	**Flags**	**PQL**
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Lab ID: 12-170-15
Client ID: KM-21-W-1209

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	94	71-126
Toluene-d8	89	76-116
4-Bromofluorobenzene	90	70-123

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted: 1-6-10
Date Analyzed: 1-6-10

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0106W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB0106W1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	92	71-126
Toluene-d8	84	76-116
4-Bromofluorobenzene	86	70-123

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Date Extracted: 1-6-10
Date Analyzed: 1-6-10

Matrix: Water
Units: ug/L (ppb)

Lab ID: 12-170-15

Compound	Sample Amount	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	ND	10.0	10.1	101	10.2	102	70-130	
Benzene	ND	10.0	10.2	102	10.4	104	81-125	
Trichloroethene	ND	10.0	9.85	99	9.38	94	79-116	
Toluene	ND	10.0	10.0	100	9.81	98	88-118	
Chlorobenzene	ND	10.0	10.1	101	10.0	100	75-121	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	1	22	
Benzene	2	11	
Trichloroethene	5	11	
Toluene	2	14	
Chlorobenzene	1	14	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

% MOISTURE

Date Analyzed: 1-7-10

Client ID	Lab ID	% Moisture
KM-17-2-1209	12-170-01	7
KM-17-8-1209	12-170-02	19
KM-19-4-1209	12-170-07	30
KM-19-6.5-1209	12-170-08	13
KM-20-3-1209	12-170-10	18
KM-20-7-1209	12-170-11	17

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z - The sample chromatogram is similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Amec-Geomatrix
Project Number: 14697
Project Name: Kelly Moore
Project Manager: Tosya Gray
Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Day ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 12-170

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	cPAHs	HOLD				% Moisture
1	KM-17-2-1209	12/23/09	900	S	11		X	X	⊗									X	X					⊗
2	KM-17-8-1209		905	S	5		X		⊗									X	X					⊗
3	KM-18-4-1209		1100	S	5		X		X									X	X					
4	KM-18-8-1209		1105	S	5		X		X									X	X					
5	KM-18-W-1209		1130	W	7		X	X	⊗									X	X					
6	KM-17-W-1209		945	W	14		X		X									X						
7	KM-19-4-1209		1220	S	5		⊗		⊗									X	X					⊗
8	KM-19-6.5-1209		1225	S	5		⊗		⊗									X	X					⊗
9	KM-19-W-1209		1315	W	7		X		X									X						
10	KM-20-3-1209	↓	1330	S	5		X		⊗									X	X					⊗

	Signature	Company	Date	Time
Relinquished by		Amec	12/23/09	1650
Received by				
Relinquished by				
Received by				
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions:
KM-17-2-1209 & KM-17-W-1209 volume for MS/MSD
See HOLDS
⊗ Added 1/6/10. DB.

Chromatograms with final report ☐

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Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Amec-Geomatrix
Project Number: 14697
Project Name: Tasya Gray
Project Manager: Kelly Moore
Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Day
- ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 12-170

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	cPAHs HOLD					% Moisture
11	KM-20-7-1209	12/23/09	1335	S	5		~~X~~ ND		⊗									X	X NO					⊗
12	KM-20-W-1209		1415	W	7		X		X									X	X					
13	KM-21-3-1209		1445	S	5		X		X									X	X					
14	KM-21-7-1209		1450	S	5		X		X									X	X					
15	KM-21-W-1209		1530	W	7		⊗		⊗									X	X NO DB					
																		X	CB					

	Signature	Company	Date	Time
Relinquished by	Chris Brown	Amec	12/23/09	1650
Received by			12/23/09	1650
Relinquished by				
Received by				
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions:
SEE HOLDS
⊗ Added 1/6/10. DB

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Client Copy

Memo

To:	Natasya Gray	Project:	0146970040.00001
From:	Crystal Neirby	cc:	Project File
Date:	September 2, 2010		

Subject: Kelly Moore Paints – Soil and Groundwater Sampling – August 2010
Summary Data Quality Review – SDG 1008-175

This memorandum presents a summary data quality review for analyses of 15 primary soil samples, four primary groundwater samples, and one trip blank collected on August 23 and 24, 2010. The samples were submitted to OnSite Environmental, Inc. (OnSite), a laboratory located in Redmond, Washington, and accredited by the Washington State Department of Ecology (Ecology). The soil and groundwater samples were analyzed for the following analytes:

- Total petroleum hydrocarbons (TPH) as gasoline by Ecology Method NWTPH-Gx;
- TPH as diesel extended by Ecology Method NWTPH-Dx (with acid and silica gel cleanup);
- Volatile organic compounds (VOCs) by EPA Method 8260B;
- Semivolatile organic compounds (SVOCs) by EPA Method 8270 with polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270 with selective ion monitoring (SIM);
- Total metals (Resource Conservation and Recovery Act [RCRA] list of eight metals) by EPA Method 6010B for soil samples and EPA Method 200.8 for water samples, with mercury analyzed using EPA Method 7471A for soil samples and EPA Method 7470A for water samples; and
- Polychlorinated biphenyls (PCBs) (soil samples only) by EPA Method 8082.

The samples collected, the laboratory sample ID, and matrix as well as a summary of the data quality review are presented in Table 1 (attached). Some samples were submitted and placed on hold, pending results of associated samples. The samples placed on hold are also listed in Table 1.

The samples were received within the acceptable temperature range of 4 ± 2°C, and there were no sample discrepancies noted by the laboratory upon receipt. Samples analyzed for TPH as gasoline and VOCs were collected according to EPA Method 5035A. As indicated by the laboratory, the samples were submitted in preweighted 40-milliliter (mL) vials within 48 hours of collection and stored frozen until extraction or analysis.

Data were reviewed in accordance with the appropriate method procedures. The most current control limits provided by the laboratory were used to evaluate the quality control data.

AMEC Geomatrix, Inc.
600 University Street, Suite 1020
Seattle, Washington
USA 98101-4107
Tel (206) 342-1760
Fax (206) 342-1761
www.amecgeomatrixinc.com

The following were reviewed to assess compliance with applicable methods and the laboratory procedures: hold times; method blanks, blank spike (BS) and blank spike duplicate (BSD) results; matrix spike/matrix spike duplicate (MS/MSD) results; surrogate recoveries; laboratory duplicate results; and reporting limits. If data qualification was required, data were qualified in general accordance with the definitions and use of qualifying flags outlined in EPA guidance (EPA, 2004 and 2008).

Soil and groundwater samples were analyzed for TPH as gasoline, TPH as diesel, VOCs, SVOCs, PCBs, and total metals by the methods identified previously in this report and were evaluated for the following criteria.

1. Holding Times – Acceptable
2. Blanks – Acceptable
3. BS/BSD – Acceptable

   The laboratory did not report blank spike results if acceptable MS/MSD or laboratory duplicate results were reported, following its standard operating procedure.
4. MS/MSD – Acceptable

   Soil: The laboratory did not report MS/MSD results for the following analyses: TPH as gasoline, TPH as diesel, and VOCs. Sample results were evaluated based on BS and BSD results, except for TPH results for which only laboratory duplicate results were submitted.

   Water: The laboratory did not report MS/MSD results for the following analyses: TPH as gasoline, TPH as diesel, VOCs, and SVOCs. Sample results were evaluated based on BS and BSD results, except for TPH results for which only laboratory duplicate results were submitted.

   Total Metals by Method 200.8: The MS/MSD recoveries for copper and zinc were 132 and 136 percent, and 139 and 142 percent, respectively. The MS/MSD was performed with a sample not associated with this project. The laboratory did not provide BS or BSD results. Sample results are not qualified due to MS/MSD recoveries from a non-project sample.
5. Surrogates – Acceptable
6. Laboratory Duplicates – Acceptable

7. Reporting Limits and Laboratory Flags – Acceptable except as noted:

   TPH-Diesel by NWTPH-Dx: The laboratory indicated with a "U1" flag that the reporting limit for diesel-range organics in samples KM-22-7.0-0810 and KM-22-16.0-0810 were raised due to matrix interference. Diesel-range organics were not detected in the sample, and the result is not qualified.

   VOCs by EPA 8260: The laboratory flagged the 1,1,2,2-tetrachloroethane results in samples KM-22-7.0-0810, KM-23-9.0-0810 and KM-23-11.0-0810, with a U1 to indicate the reporting limits were raised due to matrix interference. The affected analytes were not detected in the samples, and the results were not qualified.

OVERALL ASSESSMENT OF DATA

The OnSite SDG 1008-175 is 100 percent complete. The data usability is based on EPA's guidance documents. Few problems were identified, and the analytical performance was generally within specified limits. The data are acceptable and meet the project's data quality objectives.

REFERENCES

EPA, 2004, U.S. EPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review: EPA 540-R-04-004, October.

EPA, 2008, U.S. EPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review: EPA 540-R-08-001, June.

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample ID	Laboratory Sample ID/Matrix	Qualified Analyte	Qualified Result	Units	Qualifier Reason
KM-22-7.0-0810	08-175-01 soil	none			
KM-22-14.0-0810	08-175-02 soil	none			
KM-22-16.0-0810	08-175-03 water	none			
KM-24-7.5-0810	08-175-04 soil	none			
KM-24-11-0810	08-175-05 soil	none			
KM-23-9.0-0810	08-175-06 soil	none			
KM-23-11.0-0810	08-175-07 soil	none			
KM-23-16.0-0810	08-175-08 water	placed on hold			
KM-25-11.0-0810	08-175-09 soil	none			
KM-26-8.5-0810	08-175-10 soil	none			
KM-26-11.5-0810	08-175-11 soil	none			
KM-25-16.0-0810	08-175-12 water	none			
KM-27-8.5-0810	08-175-13 soil	none			
KM-27-11.0-0810	08-175-14 soil	none			
KM-28-9.0-0810	08-175-15 soil	none			
KM-28-11.0-0810	08-175-16 soil	none			
KM-27-16.0-0810	08-175-17 water	none			
KM-29-8.0-0810	08-175-18 soil	none			
KM-29-11.0-0810	08-175-19 soil	none			
KM-29-16.0-0810	08-175-20 water	none			
KM-D1-0810	08-175-21 soil	placed on hold			
KM-D2-0810	08-175-22 water	placed on hold			
Trip Blank	08-175-23	none			

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 2, 2010

Natasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 1008-175

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on August 24, 2010.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

Case Narrative

Samples were collected on August 23 and 24, 2010 and received by the laboratory on August 24, 2010. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The chromatogram for sample KM-22-7.0-0810 is similar to mineral spirits with gas.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Volatiles EPA 8260B (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-22-7.0-0810**					
Laboratory ID:	08-175-01					
Gasoline	**350**	7.6	NWTPH-Gx	8-30-10	8-30-10	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*103*	*55-127*				
Client ID:	**KM-22-14.0-0810**					
Laboratory ID:	08-175-02					
Gasoline	**30**	13	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*55-127*				
Client ID:	**KM-24-7.5-0810**					
Laboratory ID:	08-175-04					
Gasoline	**ND**	5.9	NWTPH-Gx	8-30-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*96*	*55-127*				
Client ID:	**KM-24-11-0810**					
Laboratory ID:	08-175-05					
Gasoline	**ND**	6.9	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*103*	*55-127*				
Client ID:	**KM-23-9.0-0810**					
Laboratory ID:	08-175-06					
Gasoline	**14**	5.4	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*55-127*				
Client ID:	**KM-23-11.0-0810**					
Laboratory ID:	08-175-07					
Gasoline	**44**	6.5	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*55-127*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-25-11.0-0810**					
Laboratory ID:	08-175-09					
Gasoline	**ND**	6.1	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*103*	*55-127*				
Client ID:	**KM-26-8.5-0810**					
Laboratory ID:	08-175-10					
Gasoline	**ND**	5.2	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*55-127*				
Client ID:	**KM-26-11.5-0810**					
Laboratory ID:	08-175-11					
Gasoline	**ND**	6.8	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*55-127*				
Client ID:	**KM-27-8.5-0810**					
Laboratory ID:	08-175-13					
Gasoline	**ND**	5.4	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*55-127*				
Client ID:	**KM-27-11.0-0810**					
Laboratory ID:	08-175-14					
Gasoline	**ND**	6.8	NWTPH-Gx	8-30-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*55-127*				
Client ID:	**KM-28-9.0-0810**					
Laboratory ID:	08-175-15					
Gasoline	**ND**	5.7	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*55-127*				
Client ID:	**KM-28-11.0-0810**					
Laboratory ID:	08-175-16					
Gasoline	**ND**	6.2	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*55-127*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-29-8.0-0810**					
Laboratory ID:	08-175-18					
Gasoline	**ND**	5.6	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*55-127*				
Client ID:	**KM-29-11.0-0810**					
Laboratory ID:	08-175-19					
Gasoline	**ND**	6.0	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*55-127*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

NWTPH-Gx
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0830S1					
Gasoline	**ND**	5.0	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*55-127*				
Laboratory ID:	MB0830S2					
Gasoline	**ND**	5.0	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*55-127*				

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	08-175-01								
	ORIG	DUP							
Gasoline	**279**	**273**	NA	NA	NA	NA	2	30	
Surrogate:									
Fluorobenzene					*103* *105*	*55-127*			
Laboratory ID:	08-175-04								
	ORIG	DUP							
Gasoline	**ND**	**ND**	NA	NA	NA	NA	NA	30	
Surrogate:									
Fluorobenzene					*96* *99*	*55-127*			

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-22-16.0-0810**					
Laboratory ID:	08-175-03					
Gasoline	**91000**	1000	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*90*	*74-121*				
Client ID:	**KM-25-16.0-0810**					
Laboratory ID:	08-175-12					
Gasoline	**ND**	100	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*74-121*				
Client ID:	**KM-27-16.0-0810**					
Laboratory ID:	08-175-17					
Gasoline	**ND**	100	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*74-121*				
Client ID:	**KM-29-16.0-0810**					
Laboratory ID:	08-175-20					
Gasoline	**ND**	100	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*74-121*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

NWTPH-Gx
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0830W1					
Gasoline	**ND**	100	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*90*	*74-121*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	08-222-11										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*90*	*91*	*74-121*			

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

NWTPH-Dx
(with acid/silica gel clean-up)

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-22-7.0-0810**					
Laboratory ID:	08-175-01					
Diesel Range Organics	**ND**	150	NWTPH-Dx	8-30-10	8-30-10	U1
Lube Oil	**290**	64	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*97*	*50-150*				
Client ID:	**KM-22-14.0-0810**					
Laboratory ID:	08-175-02					
Diesel Range Organics	**ND**	29	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	59	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*103*	*50-150*				
Client ID:	**KM-24-7.5-0810**					
Laboratory ID:	08-175-04					
Diesel Range Organics	**ND**	27	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	55	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*105*	*50-150*				
Client ID:	**KM-24-11-0810**					
Laboratory ID:	08-175-05					
Diesel Range Organics	**ND**	30	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	61	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*103*	*50-150*				
Client ID:	**KM-23-9.0-0810**					
Laboratory ID:	08-175-06					
Diesel Range Organics	**ND**	26	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	53	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*109*	*50-150*				
Client ID:	**KM-23-11.0-0810**					
Laboratory ID:	08-175-07					
Diesel Range Organics	**ND**	29	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	58	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*104*	*50-150*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

NWTPH-Dx
(with acid/silica gel clean-up)

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-25-11.0-0810**					
Laboratory ID:	08-175-09					
Diesel Range Organics	**39**	28	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil	**100**	56	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*115*	*50-150*				
Client ID:	**KM-26-8.5-0810**					
Laboratory ID:	08-175-10					
Diesel Range Organics	**ND**	26	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	52	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*112*	*50-150*				
Client ID:	**KM-26-11.5-0810**					
Laboratory ID:	08-175-11					
Diesel Range Organics	**ND**	29	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	58	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*110*	*50-150*				
Client ID:	**KM-27-8.5-0810**					
Laboratory ID:	08-175-13					
Diesel Range Organics	**ND**	27	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	53	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*107*	*50-150*				
Client ID:	**KM-27-11.0-0810**					
Laboratory ID:	08-175-14					
Diesel Range Organics	**ND**	30	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	59	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*98*	*50-150*				
Client ID:	**KM-28-9.0-0810**					
Laboratory ID:	08-175-15					
Diesel Range Organics	**ND**	28	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	55	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*105*	*50-150*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

NWTPH-Dx
(with acid/silica gel clean-up)

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-28-11.0-0810**					
Laboratory ID:	08-175-16					
Diesel Range Organics	**ND**	28	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	55	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*110*	*50-150*				
Client ID:	**KM-29-8.0-0810**					
Laboratory ID:	08-175-18					
Diesel Range Organics	**ND**	27	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	53	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*105*	*50-150*				
Client ID:	**KM-29-11.0-0810**					
Laboratory ID:	08-175-19					
Diesel Range Organics	**ND**	27	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	54	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*116*	*50-150*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

NWTPH-Dx
QUALITY CONTROL
(with acid/silica gel clean-up)

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0830S2					
Diesel Range Organics	**ND**	25	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*114*	*50-150*				

Analyte	Result		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	08-175-04							
	ORIG	DUP						
Diesel Range Organics	**ND**	**ND**				NA	NA	
Lube Oil Range Organics	**ND**	**ND**				NA	NA	
Surrogate:								
o-Terphenyl			*105*	*101*	*50-150*			
Laboratory ID:	08-175-05							
	ORIG	DUP						
Diesel Range Organics	**ND**	**ND**				NA	NA	
Lube Oil Range Organics	**ND**	**ND**				NA	NA	
Surrogate:								
o-Terphenyl			*103*	*113*	*50-150*			

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

NWTPH-Dx
(with acid/silica gel clean-up)

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-22-16.0-0810**					
Laboratory ID:	08-175-03					
Diesel Range Organics	**ND**	1.4	NWTPH-Dx	8-27-10	8-27-10	U1
Lube Oil Range Organics	**ND**	0.43	NWTPH-Dx	8-27-10	8-27-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*113*	*50-150*				
Client ID:	**KM-25-16.0-0810**					
Laboratory ID:	08-175-12					
Diesel Range Organics	**ND**	0.27	NWTPH-Dx	8-27-10	8-27-10	
Lube Oil Range Organics	**ND**	0.43	NWTPH-Dx	8-27-10	8-27-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*104*	*50-150*				
Client ID:	**KM-27-16.0-0810**					
Laboratory ID:	08-175-17					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	8-27-10	8-27-10	
Lube Oil Range Organics	**ND**	0.42	NWTPH-Dx	8-27-10	8-27-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*114*	*50-150*				
Client ID:	**KM-29-16.0-0810**					
Laboratory ID:	08-175-20					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	8-27-10	8-27-10	
Lube Oil Range Organics	**ND**	0.42	NWTPH-Dx	8-27-10	8-27-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*110*	*50-150*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

NWTPH-Dx
QUALITY CONTROL
(with acid/silica gel clean-up)

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0827W1					
Diesel Range Organics	**ND**	0.13	NWTPH-Dx	8-27-10	8-27-10	
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	8-27-10	8-27-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*93*	*50-150*				

Analyte	Result		Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE							
Laboratory ID:	08-175-20						
	ORIG	DUP					
Diesel Range Organics	**ND**	**ND**			NA	NA	
Lube Oil Range Organics	**ND**	**ND**			NA	NA	
Surrogate:							
o-Terphenyl			*110* *105*	*50-150*			

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
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Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-175-01
Client ID: KM-22-7.0-0810

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0059
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0059
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	0.16		0.0059
Iodomethane	ND		0.0059
Carbon Disulfide	0.0071		0.0012
Methylene Chloride	ND		0.0059
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0059
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	0.023		0.0059
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	0.0015		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0059
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0059
Toluene	ND		0.0059
(trans) 1,3-Dichloropropene	ND		0.0012

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 08-175-01
Client ID: KM-22-7.0-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0059
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	0.18		0.0012
m,p-Xylene	2.3		0.15
o-Xylene	0.0088		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	0.22		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND	U1	0.024
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	1.4		0.073
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	0.045		0.0012
tert-Butylbenzene	0.0026		0.0012
1,2,4-Trimethylbenzene	0.10		0.0012
sec-Butylbenzene	0.023		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	0.0068		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	0.0051		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0059
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0059
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	85	66-128
Toluene-d8	94	68-126
4-Bromofluorobenzene	81	53-134

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
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Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-175-02
Client ID: KM-22-14.0-0810

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.067
Chloromethane	ND		0.34
Vinyl Chloride	ND		0.067
Bromomethane	ND		0.067
Chloroethane	ND		0.34
Trichlorofluoromethane	ND		0.067
1,1-Dichloroethene	ND		0.067
Acetone	ND		0.34
Iodomethane	ND		0.34
Carbon Disulfide	ND		0.067
Methylene Chloride	ND		0.34
(trans) 1,2-Dichloroethene	ND		0.067
Methyl t-Butyl Ether	ND		0.067
1,1-Dichloroethane	ND		0.067
Vinyl Acetate	ND		0.34
2,2-Dichloropropane	ND		0.067
(cis) 1,2-Dichloroethene	ND		0.067
2-Butanone	ND		0.34
Bromochloromethane	ND		0.067
Chloroform	ND		0.067
1,1,1-Trichloroethane	ND		0.067
Carbon Tetrachloride	ND		0.067
1,1-Dichloropropene	ND		0.067
Benzene	ND		0.067
1,2-Dichloroethane	ND		0.067
Trichloroethene	ND		0.067
1,2-Dichloropropane	ND		0.067
Dibromomethane	ND		0.067
Bromodichloromethane	ND		0.067
2-Chloroethyl Vinyl Ether	ND		0.34
(cis) 1,3-Dichloropropene	ND		0.067
Methyl Isobutyl Ketone	ND		0.34
Toluene	ND		0.34
(trans) 1,3-Dichloropropene	ND		0.067

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Lab ID: 08-175-02
Client ID: KM-22-14.0-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.067
Tetrachloroethene	ND		0.067
1,3-Dichloropropane	ND		0.067
2-Hexanone	ND		0.34
Dibromochloromethane	ND		0.067
1,2-Dibromoethane	ND		0.067
Chlorobenzene	ND		0.067
1,1,1,2-Tetrachloroethane	ND		0.067
Ethylbenzene	1.9		0.067
m,p-Xylene	6.4		0.13
o-Xylene	2.5		0.067
Styrene	ND		0.067
Bromoform	ND		0.067
Isopropylbenzene	ND		0.067
Bromobenzene	ND		0.067
1,1,2,2-Tetrachloroethane	ND		0.067
1,2,3-Trichloropropane	ND		0.067
n-Propylbenzene	ND		0.067
2-Chlorotoluene	ND		0.067
4-Chlorotoluene	ND		0.067
1,3,5-Trimethylbenzene	ND		0.067
tert-Butylbenzene	ND		0.067
1,2,4-Trimethylbenzene	0.12		0.067
sec-Butylbenzene	ND		0.067
1,3-Dichlorobenzene	ND		0.067
p-Isopropyltoluene	ND		0.067
1,4-Dichlorobenzene	ND		0.067
1,2-Dichlorobenzene	ND		0.067
n-Butylbenzene	ND		0.067
1,2-Dibromo-3-chloropropane	ND		0.34
1,2,4-Trichlorobenzene	ND		0.067
Hexachlorobutadiene	ND		0.34
Naphthalene	ND		0.067
1,2,3-Trichlorobenzene	ND		0.067

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	84	66-128
Toluene-d8	95	68-126
4-Bromofluorobenzene	98	53-134

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Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-175-04
Client ID: KM-24-7.5-0810

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0061
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0061
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	ND		0.0061
Iodomethane	ND		0.0061
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0061
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0061
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	ND		0.0061
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0061
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0061
Toluene	ND		0.0061
(trans) 1,3-Dichloropropene	ND		0.0012

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Lab ID: 08-175-04
Client ID: KM-24-7.5-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0061
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0025
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0061
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0061
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	87	66-128
Toluene-d8	96	68-126
4-Bromofluorobenzene	94	53-134

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Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-175-05
Client ID: KM-24-11-0810

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0060
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0060
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	ND		0.0060
Iodomethane	ND		0.0060
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0060
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0060
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	ND		0.0060
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0060
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0060
Toluene	ND		0.0060
(trans) 1,3-Dichloropropene	ND		0.0012

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Lab ID: 08-175-05
Client ID: KM-24-11-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0060
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0024
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0060
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0060
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	81	66-128
Toluene-d8	101	68-126
4-Bromofluorobenzene	98	53-134

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Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-175-06
Client ID: KM-23-9.0-0810

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0061
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0061
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	0.067		0.0061
Iodomethane	ND		0.0061
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0061
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0061
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	0.012		0.0061
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0061
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0061
Toluene	ND		0.0061
(trans) 1,3-Dichloropropene	ND		0.0012

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Lab ID: 08-175-06
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Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0061
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0024
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	0.031		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND	U1	0.0060
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	0.043		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	0.0065		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	0.0028		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0061
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0061
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	88	66-128
Toluene-d8	99	68-126
4-Bromofluorobenzene	97	53-134

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Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-175-07
Client ID: KM-23-11.0-0810

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0057
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0057
Trichlorofluoromethane	ND		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	0.041		0.0057
Iodomethane	ND		0.0057
Carbon Disulfide	ND		0.0011
Methylene Chloride	ND		0.0057
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0057
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	ND		0.0057
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0057
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	ND		0.0057
Toluene	ND		0.0057
(trans) 1,3-Dichloropropene	ND		0.0011

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Lab ID: 08-175-07
Client ID: KM-23-11.0-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	ND		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0057
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	ND		0.0011
m,p-Xylene	ND		0.0023
o-Xylene	ND		0.0011
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	0.15		0.0011
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND	U1	0.011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	0.19		0.0011
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	ND		0.0011
tert-Butylbenzene	0.0027		0.0011
1,2,4-Trimethylbenzene	ND		0.0011
sec-Butylbenzene	0.025		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	ND		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	0.016		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0057
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0057
Naphthalene	ND		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	79	66-128
Toluene-d8	100	68-126
4-Bromofluorobenzene	97	53-134

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Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-175-09
Client ID: KM-25-11.0-0810

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0051
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0051
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	0.058		0.0051
Iodomethane	ND		0.0051
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0051
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0051
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	0.0088		0.0051
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0051
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0051
Toluene	ND		0.0051
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: 08-175-09
Client ID: KM-25-11.0-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0051
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	0.0053		0.0021
o-Xylene	0.0022		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0051
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0051
Naphthalene	0.0021		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	83	66-128
Toluene-d8	92	68-126
4-Bromofluorobenzene	90	53-134

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

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Date Extracted:	8-27-10
Date Analyzed:	8-27-10
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-175-10
Client ID:	**KM-26-8.5-0810**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0014
Chloromethane	ND		0.0072
Vinyl Chloride	ND		0.0014
Bromomethane	ND		0.0014
Chloroethane	ND		0.0072
Trichlorofluoromethane	ND		0.0014
1,1-Dichloroethene	ND		0.0014
Acetone	ND		0.0072
Iodomethane	ND		0.0072
Carbon Disulfide	ND		0.0014
Methylene Chloride	ND		0.0072
(trans) 1,2-Dichloroethene	ND		0.0014
Methyl t-Butyl Ether	ND		0.0014
1,1-Dichloroethane	ND		0.0014
Vinyl Acetate	ND		0.0072
2,2-Dichloropropane	ND		0.0014
(cis) 1,2-Dichloroethene	ND		0.0014
2-Butanone	ND		0.0072
Bromochloromethane	ND		0.0014
Chloroform	ND		0.0014
1,1,1-Trichloroethane	ND		0.0014
Carbon Tetrachloride	ND		0.0014
1,1-Dichloropropene	ND		0.0014
Benzene	ND		0.0014
1,2-Dichloroethane	ND		0.0014
Trichloroethene	ND		0.0014
1,2-Dichloropropane	ND		0.0014
Dibromomethane	ND		0.0014
Bromodichloromethane	ND		0.0014
2-Chloroethyl Vinyl Ether	ND		0.0072
(cis) 1,3-Dichloropropene	ND		0.0014
Methyl Isobutyl Ketone	ND		0.0072
Toluene	ND		0.0072
(trans) 1,3-Dichloropropene	ND		0.0014

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
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Lab ID: 08-175-10
Client ID: KM-26-8.5-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0014
Tetrachloroethene	ND		0.0014
1,3-Dichloropropane	ND		0.0014
2-Hexanone	ND		0.0072
Dibromochloromethane	ND		0.0014
1,2-Dibromoethane	ND		0.0014
Chlorobenzene	ND		0.0014
1,1,1,2-Tetrachloroethane	ND		0.0014
Ethylbenzene	ND		0.0014
m,p-Xylene	ND		0.0029
o-Xylene	ND		0.0014
Styrene	ND		0.0014
Bromoform	ND		0.0014
Isopropylbenzene	ND		0.0014
Bromobenzene	ND		0.0014
1,1,2,2-Tetrachloroethane	ND		0.0014
1,2,3-Trichloropropane	ND		0.0014
n-Propylbenzene	ND		0.0014
2-Chlorotoluene	ND		0.0014
4-Chlorotoluene	ND		0.0014
1,3,5-Trimethylbenzene	ND		0.0014
tert-Butylbenzene	ND		0.0014
1,2,4-Trimethylbenzene	ND		0.0014
sec-Butylbenzene	ND		0.0014
1,3-Dichlorobenzene	ND		0.0014
p-Isopropyltoluene	ND		0.0014
1,4-Dichlorobenzene	ND		0.0014
1,2-Dichlorobenzene	ND		0.0014
n-Butylbenzene	ND		0.0014
1,2-Dibromo-3-chloropropane	ND		0.0072
1,2,4-Trichlorobenzene	ND		0.0014
Hexachlorobutadiene	ND		0.0072
Naphthalene	ND		0.0014
1,2,3-Trichlorobenzene	ND		0.0014

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	86	66-128
Toluene-d8	96	68-126
4-Bromofluorobenzene	94	53-134

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
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Project: 14697

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Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-175-11
Client ID: KM-26-11.5-0810

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0061
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0061
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	ND		0.0061
Iodomethane	ND		0.0061
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0061
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0061
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	ND		0.0061
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0061
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0061
Toluene	ND		0.0061
(trans) 1,3-Dichloropropene	ND		0.0012

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
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Lab ID: 08-175-11
Client ID: KM-26-11.5-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0061
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0024
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0061
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0061
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	88	66-128
Toluene-d8	98	68-126
4-Bromofluorobenzene	98	53-134

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

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Date Extracted:	8-27-10
Date Analyzed:	8-27-10
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-175-13
Client ID:	**KM-27-8.5-0810**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0059
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0059
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	0.12		0.0059
Iodomethane	ND		0.0059
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0059
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0059
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	0.019		0.0059
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0059
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0059
Toluene	ND		0.0059
(trans) 1,3-Dichloropropene	ND		0.0012

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Date of Report: September 2, 2010
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Lab ID: 08-175-13
Client ID: KM-27-8.5-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0059
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0024
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0059
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0059
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	91	66-128
Toluene-d8	99	68-126
4-Bromofluorobenzene	101	53-134

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Samples Submitted: August 24, 2010
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Project: 14697

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Date Extracted:	8-27-10
Date Analyzed:	8-27-10
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-175-14
Client ID:	**KM-27-11.0-0810**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0013
Chloromethane	ND		0.0066
Vinyl Chloride	ND		0.0013
Bromomethane	ND		0.0013
Chloroethane	ND		0.0066
Trichlorofluoromethane	ND		0.0013
1,1-Dichloroethene	ND		0.0013
Acetone	0.028		0.0066
Iodomethane	ND		0.0066
Carbon Disulfide	ND		0.0013
Methylene Chloride	ND		0.0066
(trans) 1,2-Dichloroethene	ND		0.0013
Methyl t-Butyl Ether	ND		0.0013
1,1-Dichloroethane	ND		0.0013
Vinyl Acetate	ND		0.0066
2,2-Dichloropropane	ND		0.0013
(cis) 1,2-Dichloroethene	ND		0.0013
2-Butanone	ND		0.0066
Bromochloromethane	ND		0.0013
Chloroform	ND		0.0013
1,1,1-Trichloroethane	ND		0.0013
Carbon Tetrachloride	ND		0.0013
1,1-Dichloropropene	ND		0.0013
Benzene	ND		0.0013
1,2-Dichloroethane	ND		0.0013
Trichloroethene	ND		0.0013
1,2-Dichloropropane	ND		0.0013
Dibromomethane	ND		0.0013
Bromodichloromethane	ND		0.0013
2-Chloroethyl Vinyl Ether	ND		0.0066
(cis) 1,3-Dichloropropene	ND		0.0013
Methyl Isobutyl Ketone	ND		0.0066
Toluene	ND		0.0066
(trans) 1,3-Dichloropropene	ND		0.0013

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Samples Submitted: August 24, 2010
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Lab ID: 08-175-14
Client ID: KM-27-11.0-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0013
Tetrachloroethene	ND		0.0013
1,3-Dichloropropane	ND		0.0013
2-Hexanone	ND		0.0066
Dibromochloromethane	ND		0.0013
1,2-Dibromoethane	ND		0.0013
Chlorobenzene	ND		0.0013
1,1,1,2-Tetrachloroethane	ND		0.0013
Ethylbenzene	ND		0.0013
m,p-Xylene	ND		0.0026
o-Xylene	ND		0.0013
Styrene	ND		0.0013
Bromoform	ND		0.0013
Isopropylbenzene	ND		0.0013
Bromobenzene	ND		0.0013
1,1,2,2-Tetrachloroethane	ND		0.0013
1,2,3-Trichloropropane	ND		0.0013
n-Propylbenzene	ND		0.0013
2-Chlorotoluene	ND		0.0013
4-Chlorotoluene	ND		0.0013
1,3,5-Trimethylbenzene	ND		0.0013
tert-Butylbenzene	ND		0.0013
1,2,4-Trimethylbenzene	ND		0.0013
sec-Butylbenzene	ND		0.0013
1,3-Dichlorobenzene	ND		0.0013
p-Isopropyltoluene	ND		0.0013
1,4-Dichlorobenzene	ND		0.0013
1,2-Dichlorobenzene	ND		0.0013
n-Butylbenzene	ND		0.0013
1,2-Dibromo-3-chloropropane	ND		0.0066
1,2,4-Trichlorobenzene	ND		0.0013
Hexachlorobutadiene	ND		0.0066
Naphthalene	ND		0.0013
1,2,3-Trichlorobenzene	ND		0.0013

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	86	66-128
Toluene-d8	103	68-126
4-Bromofluorobenzene	103	53-134

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

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Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

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Date Extracted:	8-27-10
Date Analyzed:	8-27-10
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-175-15
Client ID:	**KM-28-9.0-0810**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0062
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0062
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	0.041		0.0062
Iodomethane	ND		0.0062
Carbon Disulfide	ND		0.0012
Methylene Chloride	0.013		0.0062
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0062
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	0.0092		0.0062
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0062
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0062
Toluene	ND		0.0062
(trans) 1,3-Dichloropropene	ND		0.0012

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
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Lab ID: 08-175-15
Client ID: KM-28-9.0-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0062
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0025
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0062
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0062
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	83	66-128
Toluene-d8	95	68-126
4-Bromofluorobenzene	92	53-134

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

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Laboratory Reference: 1008-175
Project: 14697

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Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-175-16
Client ID: KM-28-11.0-0810

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0057
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0057
Trichlorofluoromethane	ND		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	ND		0.0057
Iodomethane	ND		0.0057
Carbon Disulfide	ND		0.0011
Methylene Chloride	ND		0.0057
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0057
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	ND		0.0057
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0057
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	ND		0.0057
Toluene	ND		0.0057
(trans) 1,3-Dichloropropene	ND		0.0011

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 08-175-16
Client ID: KM-28-11.0-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	ND		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0057
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	ND		0.0011
m,p-Xylene	ND		0.0023
o-Xylene	ND		0.0011
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	ND		0.0011
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	ND		0.0011
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	ND		0.0011
tert-Butylbenzene	ND		0.0011
1,2,4-Trimethylbenzene	ND		0.0011
sec-Butylbenzene	ND		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	ND		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	ND		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0057
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0057
Naphthalene	ND		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	80	66-128
Toluene-d8	100	68-126
4-Bromofluorobenzene	97	53-134

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
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Date Extracted:	8-27-10
Date Analyzed:	8-27-10
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-175-18
Client ID:	**KM-29-8.0-0810**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0013
Chloromethane	ND		0.0063
Vinyl Chloride	ND		0.0013
Bromomethane	ND		0.0013
Chloroethane	ND		0.0063
Trichlorofluoromethane	ND		0.0013
1,1-Dichloroethene	ND		0.0013
Acetone	ND		0.0063
Iodomethane	ND		0.0063
Carbon Disulfide	ND		0.0013
Methylene Chloride	ND		0.0063
(trans) 1,2-Dichloroethene	ND		0.0013
Methyl t-Butyl Ether	ND		0.0013
1,1-Dichloroethane	ND		0.0013
Vinyl Acetate	ND		0.0063
2,2-Dichloropropane	ND		0.0013
(cis) 1,2-Dichloroethene	ND		0.0013
2-Butanone	ND		0.0063
Bromochloromethane	ND		0.0013
Chloroform	ND		0.0013
1,1,1-Trichloroethane	ND		0.0013
Carbon Tetrachloride	ND		0.0013
1,1-Dichloropropene	ND		0.0013
Benzene	ND		0.0013
1,2-Dichloroethane	ND		0.0013
Trichloroethene	ND		0.0013
1,2-Dichloropropane	ND		0.0013
Dibromomethane	ND		0.0013
Bromodichloromethane	ND		0.0013
2-Chloroethyl Vinyl Ether	ND		0.0063
(cis) 1,3-Dichloropropene	ND		0.0013
Methyl Isobutyl Ketone	ND		0.0063
Toluene	ND		0.0063
(trans) 1,3-Dichloropropene	ND		0.0013

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

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Lab ID: 08-175-18
Client ID: KM-29-8.0-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0013
Tetrachloroethene	ND		0.0013
1,3-Dichloropropane	ND		0.0013
2-Hexanone	ND		0.0063
Dibromochloromethane	ND		0.0013
1,2-Dibromoethane	ND		0.0013
Chlorobenzene	ND		0.0013
1,1,1,2-Tetrachloroethane	ND		0.0013
Ethylbenzene	ND		0.0013
m,p-Xylene	ND		0.0025
o-Xylene	ND		0.0013
Styrene	ND		0.0013
Bromoform	ND		0.0013
Isopropylbenzene	ND		0.0013
Bromobenzene	ND		0.0013
1,1,2,2-Tetrachloroethane	ND		0.0013
1,2,3-Trichloropropane	ND		0.0013
n-Propylbenzene	ND		0.0013
2-Chlorotoluene	ND		0.0013
4-Chlorotoluene	ND		0.0013
1,3,5-Trimethylbenzene	ND		0.0013
tert-Butylbenzene	ND		0.0013
1,2,4-Trimethylbenzene	ND		0.0013
sec-Butylbenzene	ND		0.0013
1,3-Dichlorobenzene	ND		0.0013
p-Isopropyltoluene	ND		0.0013
1,4-Dichlorobenzene	ND		0.0013
1,2-Dichlorobenzene	ND		0.0013
n-Butylbenzene	ND		0.0013
1,2-Dibromo-3-chloropropane	ND		0.0063
1,2,4-Trichlorobenzene	ND		0.0013
Hexachlorobutadiene	ND		0.0063
Naphthalene	ND		0.0013
1,2,3-Trichlorobenzene	ND		0.0013

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	87	66-128
Toluene-d8	95	68-126
4-Bromofluorobenzene	95	53-134

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
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Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-175-19
Client ID: KM-29-11.0-0810

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0013
Chloromethane	ND		0.0064
Vinyl Chloride	ND		0.0013
Bromomethane	ND		0.0013
Chloroethane	ND		0.0064
Trichlorofluoromethane	ND		0.0013
1,1-Dichloroethene	ND		0.0013
Acetone	ND		0.0064
Iodomethane	ND		0.0064
Carbon Disulfide	ND		0.0013
Methylene Chloride	ND		0.0064
(trans) 1,2-Dichloroethene	ND		0.0013
Methyl t-Butyl Ether	ND		0.0013
1,1-Dichloroethane	ND		0.0013
Vinyl Acetate	ND		0.0064
2,2-Dichloropropane	ND		0.0013
(cis) 1,2-Dichloroethene	ND		0.0013
2-Butanone	ND		0.0064
Bromochloromethane	ND		0.0013
Chloroform	ND		0.0013
1,1,1-Trichloroethane	ND		0.0013
Carbon Tetrachloride	ND		0.0013
1,1-Dichloropropene	ND		0.0013
Benzene	ND		0.0013
1,2-Dichloroethane	ND		0.0013
Trichloroethene	ND		0.0013
1,2-Dichloropropane	ND		0.0013
Dibromomethane	ND		0.0013
Bromodichloromethane	ND		0.0013
2-Chloroethyl Vinyl Ether	ND		0.0064
(cis) 1,3-Dichloropropene	ND		0.0013
Methyl Isobutyl Ketone	ND		0.0064
Toluene	ND		0.0064
(trans) 1,3-Dichloropropene	ND		0.0013

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

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Lab ID: 08-175-19
Client ID: KM-29-11.0-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0013
Tetrachloroethene	ND		0.0013
1,3-Dichloropropane	ND		0.0013
2-Hexanone	ND		0.0064
Dibromochloromethane	ND		0.0013
1,2-Dibromoethane	ND		0.0013
Chlorobenzene	ND		0.0013
1,1,1,2-Tetrachloroethane	ND		0.0013
Ethylbenzene	ND		0.0013
m,p-Xylene	ND		0.0026
o-Xylene	ND		0.0013
Styrene	ND		0.0013
Bromoform	ND		0.0013
Isopropylbenzene	ND		0.0013
Bromobenzene	ND		0.0013
1,1,2,2-Tetrachloroethane	ND		0.0013
1,2,3-Trichloropropane	ND		0.0013
n-Propylbenzene	ND		0.0013
2-Chlorotoluene	ND		0.0013
4-Chlorotoluene	ND		0.0013
1,3,5-Trimethylbenzene	ND		0.0013
tert-Butylbenzene	ND		0.0013
1,2,4-Trimethylbenzene	ND		0.0013
sec-Butylbenzene	ND		0.0013
1,3-Dichlorobenzene	ND		0.0013
p-Isopropyltoluene	ND		0.0013
1,4-Dichlorobenzene	ND		0.0013
1,2-Dichlorobenzene	ND		0.0013
n-Butylbenzene	ND		0.0013
1,2-Dibromo-3-chloropropane	ND		0.0064
1,2,4-Trichlorobenzene	ND		0.0013
Hexachlorobutadiene	ND		0.0064
Naphthalene	ND		0.0013
1,2,3-Trichlorobenzene	ND		0.0013

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	85	66-128
Toluene-d8	95	68-126
4-Bromofluorobenzene	93	53-134

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0827S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB0827S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	87	66-128
Toluene-d8	100	68-126
4-Bromofluorobenzene	101	53-134

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB0827S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0446	89	0.0458	92	70-130	
Benzene	0.0500	0.0410	82	0.0426	85	70-121	
Trichloroethene	0.0500	0.0419	84	0.0412	82	70-124	
Toluene	0.0500	0.0432	86	0.0427	85	70-123	
Chlorobenzene	0.0500	0.0458	92	0.0470	94	71-119	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	3	14	
Benzene	4	10	
Trichloroethene	2	12	
Toluene	1	12	
Chlorobenzene	3	9	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
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Date Extracted: 8-25-10
Date Analyzed: 8-25-10

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-175-03
Client ID: KM-22-16.0-0810

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		200
Chloromethane	ND		1000
Vinyl Chloride	ND		200
Bromomethane	ND		200
Chloroethane	ND		1000
Trichlorofluoromethane	ND		200
1,1-Dichloroethene	ND		200
Acetone	ND		5000
Iodomethane	ND		1000
Carbon Disulfide	ND		200
Methylene Chloride	ND		1000
(trans) 1,2-Dichloroethene	ND		200
Methyl t-Butyl Ether	ND		200
1,1-Dichloroethane	ND		200
Vinyl Acetate	ND		2000
2,2-Dichloropropane	ND		200
(cis) 1,2-Dichloroethene	ND		200
2-Butanone	ND		5000
Bromochloromethane	ND		200
Chloroform	ND		200
1,1,1-Trichloroethane	ND		200
Carbon Tetrachloride	ND		200
1,1-Dichloropropene	ND		200
Benzene	ND		200
1,2-Dichloroethane	ND		200
Trichloroethene	ND		200
1,2-Dichloropropane	ND		200
Dibromomethane	ND		200
Bromodichloromethane	ND		200
2-Chloroethyl Vinyl Ether	ND		1000
(cis) 1,3-Dichloropropene	ND		200
Methyl Isobutyl Ketone	ND		2000
Toluene	4700	1000	
(trans) 1,3-Dichloropropene	ND		200

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

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Lab ID: 08-175-03
Client ID: KM-22-16.0-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		200
Tetrachloroethene	ND		200
1,3-Dichloropropane	ND		200
2-Hexanone	ND		2000
Dibromochloromethane	ND		200
1,2-Dibromoethane	ND		200
Chlorobenzene	ND		200
1,1,1,2-Tetrachloroethane	ND		200
Ethylbenzene	8900		200
m,p-Xylene	27000		400
o-Xylene	9000		200
Styrene	ND		200
Bromoform	ND		1000
Isopropylbenzene	ND		200
Bromobenzene	ND		200
1,1,2,2-Tetrachloroethane	ND		200
1,2,3-Trichloropropane	ND		200
n-Propylbenzene	ND		200
2-Chlorotoluene	ND		200
4-Chlorotoluene	ND		200
1,3,5-Trimethylbenzene	250		200
tert-Butylbenzene	ND		200
1,2,4-Trimethylbenzene	520		200
sec-Butylbenzene	ND		200
1,3-Dichlorobenzene	ND		200
p-Isopropyltoluene	ND		200
1,4-Dichlorobenzene	ND		200
1,2-Dichlorobenzene	ND		200
n-Butylbenzene	ND		200
1,2-Dibromo-3-chloropropane	ND		1000
1,2,4-Trichlorobenzene	ND		200
Hexachlorobutadiene	ND		200
Naphthalene	1000	1000	
1,2,3-Trichlorobenzene	ND		200

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	77	71-126
Toluene-d8	83	76-116
4-Bromofluorobenzene	75	70-123

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
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Date Extracted:	8-25-10
Date Analyzed:	8-25-10
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	08-175-12
Client ID:	**KM-25-16.0-0810**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
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Lab ID: 08-175-12
Client ID: KM-25-16.0-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	84	71-126
Toluene-d8	87	76-116
4-Bromofluorobenzene	73	70-123

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 8-25-10
Date Analyzed: 8-25-10

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-175-17
Client ID: KM-27-16.0-0810

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 08-175-17
Client ID: KM-27-16.0-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	81	71-126
Toluene-d8	87	76-116
4-Bromofluorobenzene	79	70-123

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	8-25-10
Date Analyzed:	8-25-10
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	08-175-20
Client ID:	**KM-29-16.0-0810**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 08-175-20
Client ID: KM-29-16.0-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	84	71-126
Toluene-d8	88	76-116
4-Bromofluorobenzene	82	70-123

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	8-25-10
Date Analyzed:	8-25-10
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	08-175-23
Client ID:	**Trip blank**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
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Lab ID: 08-175-23
Client ID: Trip blank

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	77	71-126
Toluene-d8	87	76-116
4-Bromofluorobenzene	77	70-123

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted:	8-25-10
Date Analyzed:	8-25-10
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0825W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB0825W1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	81	71-126
Toluene-d8	89	76-116
4-Bromofluorobenzene	82	70-123

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 8-25-10
Date Analyzed: 8-25-10

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB0825W1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	10.0	9.13	91	9.30	93	70-130	
Benzene	10.0	9.25	93	9.50	95	73-130	
Trichloroethene	10.0	10.0	100	10.1	101	79-122	
Toluene	10.0	9.44	94	9.68	97	80-121	
Chlorobenzene	10.0	9.98	100	10.1	101	83-116	

Compound	RPD	RPD Limit	Flags
1,1-Dichloroethene	2	15	
Benzene	3	14	
Trichloroethene	0	14	
Toluene	3	13	
Chlorobenzene	1	13	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-22-7.0-0810**					
Laboratory ID:	08-175-01					
n-Nitrosodimethylamine	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Pyridine	**ND**	0.43	EPA 8270	8-31-10	9-1-10	
Phenol	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Aniline	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethyl)ether	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2-Chlorophenol	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
1,3-Dichlorobenzene	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
1,4-Dichlorobenzene	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Benzyl alcohol	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
1,2-Dichlorobenzene	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2-Methylphenol (o-Cresol)	**0.049**	0.043	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroisopropyl)ether	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
(3+4)-Methylphenol (m,p-Cresol)	**0.051**	0.043	EPA 8270	8-31-10	9-1-10	
n-Nitroso-di-n-propylamine	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Hexachloroethane	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Nitrobenzene	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Isophorone	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2-Nitrophenol	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2,4-Dimethylphenol	**ND**	1.1	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethoxy)methane	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2,4-Dichlorophenol	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
1,2,4-Trichlorobenzene	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Naphthalene	**0.024**	0.0085	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Hexachlorobutadiene	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
4-Chloro-3-methylphenol	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2-Methylnaphthalene	**0.0085**	0.0085	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**0.0097**	0.0085	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2,4,6-Trichlorophenol	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2,3-Dichloroaniline	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2,4,5-Trichlorophenol	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2-Chloronaphthalene	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2-Nitroaniline	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
1,4-Dinitrobenzene	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Dimethylphthalate	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
1,3-Dinitrobenzene	**ND**	0.21	EPA 8270	8-31-10	9-1-10	
2,6-Dinitrotoluene	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
1,2-Dinitrobenzene	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Acenaphthylene	**0.0095**	0.0085	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.043	EPA 8270	8-31-10	9-1-10	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-22-7.0-0810**					
Laboratory ID:	08-175-01					
2,4-Dinitrophenol	**ND**	0.21	EPA 8270	8-31-10	9-1-10	
Acenaphthene	**ND**	0.0085	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2,4-Dinitrotoluene	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Dibenzofuran	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Diethylphthalate	**ND**	0.21	EPA 8270	8-31-10	9-1-10	
4-Chlorophenyl-phenylether	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
4-Nitroaniline	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Fluorene	**ND**	0.0085	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.21	EPA 8270	8-31-10	9-1-10	
n-Nitrosodiphenylamine	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
1,2-Diphenylhydrazine	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
4-Bromophenyl-phenylether	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Hexachlorobenzene	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Pentachlorophenol	**ND**	0.21	EPA 8270	8-31-10	9-1-10	
Phenanthrene	**0.076**	0.043	EPA 8270	8-31-10	9-1-10	
Anthracene	**0.018**	0.0085	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Di-n-butylphthalate	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Fluoranthene	**0.12**	0.043	EPA 8270	8-31-10	9-1-10	
Benzidine	**ND**	0.43	EPA 8270	8-31-10	9-1-10	
Pyrene	**0.14**	0.043	EPA 8270	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
bis-2-Ethylhexyladipate	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
3,3'-Dichlorobenzidine	**ND**	0.43	EPA 8270	8-31-10	9-1-10	
Benzo[a]anthracene	**0.075**	0.043	EPA 8270	8-31-10	9-1-10	
Chrysene	**0.093**	0.043	EPA 8270	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Di-n-octylphthalate	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Benzo[b]fluoranthene	**0.079**	0.043	EPA 8270	8-31-10	9-1-10	
Benzo[k]fluoranthene	**0.075**	0.043	EPA 8270	8-31-10	9-1-10	
Benzo[a]pyrene	**0.089**	0.043	EPA 8270	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**0.053**	0.043	EPA 8270	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**0.020**	0.0085	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**0.064**	0.043	EPA 8270	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*61*	*22 - 107*				
Phenol-d6	*70*	*28 - 116*				
Nitrobenzene-d5	*70*	*25 - 111*				
2-Fluorobiphenyl	*65*	*35 - 108*				
2,4,6-Tribromophenol	*63*	*42 - 118*				
Terphenyl-d14	*67*	*44 - 121*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-22-14.0-0810**					
Laboratory ID:	08-175-02					
n-Nitrosodimethylamine	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Pyridine	**ND**	0.39	EPA 8270	8-31-10	8-31-10	
Phenol	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Aniline	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
bis(2-Chloroethyl)ether	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2-Chlorophenol	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
1,3-Dichlorobenzene	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
1,4-Dichlorobenzene	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Benzyl alcohol	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
1,2-Dichlorobenzene	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2-Methylphenol (o-Cresol)	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
bis(2-Chloroisopropyl)ether	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
n-Nitroso-di-n-propylamine	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Hexachloroethane	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Nitrobenzene	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Isophorone	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2-Nitrophenol	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2,4-Dimethylphenol	**ND**	0.98	EPA 8270	8-31-10	8-31-10	
bis(2-Chloroethoxy)methane	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2,4-Dichlorophenol	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
1,2,4-Trichlorobenzene	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Naphthalene	**0.20**	0.039	EPA 8270	8-31-10	8-31-10	
4-Chloroaniline	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Hexachlorobutadiene	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
4-Chloro-3-methylphenol	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2-Methylnaphthalene	**0.061**	0.039	EPA 8270	8-31-10	8-31-10	
1-Methylnaphthalene	**0.027**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2,4,6-Trichlorophenol	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2,3-Dichloroaniline	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2,4,5-Trichlorophenol	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2-Chloronaphthalene	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2-Nitroaniline	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
1,4-Dinitrobenzene	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Dimethylphthalate	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
1,3-Dinitrobenzene	**ND**	0.20	EPA 8270	8-31-10	8-31-10	
2,6-Dinitrotoluene	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
1,2-Dinitrobenzene	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Acenaphthylene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.039	EPA 8270	8-31-10	8-31-10	

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Laboratory Reference: 1008-175
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-22-14.0-0810**					
Laboratory ID:	08-175-02					
2,4-Dinitrophenol	**ND**	0.20	EPA 8270	8-31-10	8-31-10	
Acenaphthene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2,4-Dinitrotoluene	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Dibenzofuran	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Diethylphthalate	**ND**	0.20	EPA 8270	8-31-10	8-31-10	
4-Chlorophenyl-phenylether	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
4-Nitroaniline	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Fluorene	**0.0088**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.20	EPA 8270	8-31-10	8-31-10	
n-Nitrosodiphenylamine	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
1,2-Diphenylhydrazine	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
4-Bromophenyl-phenylether	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Hexachlorobenzene	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Pentachlorophenol	**ND**	0.20	EPA 8270	8-31-10	8-31-10	
Phenanthrene	**0.061**	0.039	EPA 8270	8-31-10	8-31-10	
Anthracene	**0.0096**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Di-n-butylphthalate	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Fluoranthene	**0.051**	0.039	EPA 8270	8-31-10	8-31-10	
Benzidine	**ND**	0.39	EPA 8270	8-31-10	8-31-10	
Pyrene	**0.063**	0.039	EPA 8270	8-31-10	8-31-10	
Butylbenzylphthalate	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
bis-2-Ethylhexyladipate	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
3,3'-Dichlorobenzidine	**ND**	0.39	EPA 8270	8-31-10	8-31-10	
Benzo[a]anthracene	**0.016**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Chrysene	**0.020**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Di-n-octylphthalate	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Benzo[b]fluoranthene	**0.013**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[k]fluoranthene	**0.013**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[a]pyrene	**0.015**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**0.011**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**0.014**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*38*	*22 - 107*				
Phenol-d6	*48*	*28 - 116*				
Nitrobenzene-d5	*27*	*25 - 111*				
2-Fluorobiphenyl	*56*	*35 - 108*				
2,4,6-Tribromophenol	*73*	*42 - 118*				
Terphenyl-d14	*71*	*44 - 121*				

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Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-24-7.5-0810**					
Laboratory ID:	08-175-04					
n-Nitrosodimethylamine	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Pyridine	**ND**	0.37	EPA 8270	8-31-10	8-31-10	
Phenol	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Aniline	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2-Chlorophenol	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Benzyl alcohol	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
n-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Hexachloroethane	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Nitrobenzene	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Isophorone	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2-Nitrophenol	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2,4-Dimethylphenol	**ND**	0.91	EPA 8270	8-31-10	8-31-10	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Naphthalene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2-Methylnaphthalene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2-Nitroaniline	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Dimethylphthalate	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	8-31-10	8-31-10	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Acenaphthylene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.037	EPA 8270	8-31-10	8-31-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-24-7.5-0810**					
Laboratory ID:	08-175-04					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	8-31-10	8-31-10	
Acenaphthene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Dibenzofuran	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Diethylphthalate	**ND**	0.18	EPA 8270	8-31-10	8-31-10	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
4-Nitroaniline	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Fluorene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	8-31-10	8-31-10	
n-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Hexachlorobenzene	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Pentachlorophenol	**ND**	0.18	EPA 8270	8-31-10	8-31-10	
Phenanthrene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Anthracene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Fluoranthene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Benzidine	**ND**	0.37	EPA 8270	8-31-10	8-31-10	
Pyrene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	8-31-10	8-31-10	
Benzo[a]anthracene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Chrysene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Benzo[b]fluoranthene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[k]fluoranthene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[a]pyrene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*62*	*22 - 107*				
Phenol-d6	*67*	*28 - 116*				
Nitrobenzene-d5	*63*	*25 - 111*				
2-Fluorobiphenyl	*70*	*35 - 108*				
2,4,6-Tribromophenol	*78*	*42 - 118*				
Terphenyl-d14	*85*	*44 - 121*				

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SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-24-11-0810**					
Laboratory ID:	08-175-05					
n-Nitrosodimethylamine	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Pyridine	**ND**	0.40	EPA 8270	8-31-10	8-31-10	
Phenol	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Aniline	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
bis(2-Chloroethyl)ether	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2-Chlorophenol	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
1,3-Dichlorobenzene	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
1,4-Dichlorobenzene	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Benzyl alcohol	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
1,2-Dichlorobenzene	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2-Methylphenol (o-Cresol)	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
bis(2-Chloroisopropyl)ether	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
n-Nitroso-di-n-propylamine	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Hexachloroethane	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Nitrobenzene	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Isophorone	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2-Nitrophenol	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270	8-31-10	8-31-10	
bis(2-Chloroethoxy)methane	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2,4-Dichlorophenol	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
1,2,4-Trichlorobenzene	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Naphthalene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Hexachlorobutadiene	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
4-Chloro-3-methylphenol	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2-Methylnaphthalene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2,4,6-Trichlorophenol	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2,3-Dichloroaniline	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2,4,5-Trichlorophenol	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2-Chloronaphthalene	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2-Nitroaniline	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
1,4-Dinitrobenzene	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Dimethylphthalate	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
1,3-Dinitrobenzene	**ND**	0.20	EPA 8270	8-31-10	8-31-10	
2,6-Dinitrotoluene	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
1,2-Dinitrobenzene	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Acenaphthylene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.040	EPA 8270	8-31-10	8-31-10	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-24-11-0810**					
Laboratory ID:	08-175-05					
2,4-Dinitrophenol	**ND**	0.20	EPA 8270	8-31-10	8-31-10	
Acenaphthene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2,4-Dinitrotoluene	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Dibenzofuran	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Diethylphthalate	**ND**	0.20	EPA 8270	8-31-10	8-31-10	
4-Chlorophenyl-phenylether	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
4-Nitroaniline	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Fluorene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.20	EPA 8270	8-31-10	8-31-10	
n-Nitrosodiphenylamine	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
1,2-Diphenylhydrazine	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
4-Bromophenyl-phenylether	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Hexachlorobenzene	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Pentachlorophenol	**ND**	0.20	EPA 8270	8-31-10	8-31-10	
Phenanthrene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
Anthracene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Di-n-butylphthalate	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Fluoranthene	**0.023**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
Benzidine	**ND**	0.40	EPA 8270	8-31-10	8-31-10	
Pyrene	**0.016**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
bis-2-Ethylhexyladipate	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
3,3'-Dichlorobenzidine	**ND**	0.40	EPA 8270	8-31-10	8-31-10	
Benzo[a]anthracene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
Chrysene	**0.019**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Di-n-octylphthalate	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Benzo[b]fluoranthene	**0.010**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[k]fluoranthene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[a]pyrene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*65*	*22 - 107*				
Phenol-d6	*67*	*28 - 116*				
Nitrobenzene-d5	*64*	*25 - 111*				
2-Fluorobiphenyl	*68*	*35 - 108*				
2,4,6-Tribromophenol	*78*	*42 - 118*				
Terphenyl-d14	*78*	*44 - 121*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-23-9.0-0810**					
Laboratory ID:	08-175-06					
n-Nitrosodimethylamine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Pyridine	**ND**	0.35	EPA 8270	8-31-10	9-1-10	
Phenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Aniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethyl)ether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Chlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,3-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,4-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Benzyl alcohol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Methylphenol (o-Cresol)	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroisopropyl)ether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
n-Nitroso-di-n-propylamine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Hexachloroethane	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Nitrobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Isophorone	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Nitrophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4-Dimethylphenol	**ND**	0.88	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethoxy)methane	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4-Dichlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2,4-Trichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Naphthalene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Hexachlorobutadiene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
4-Chloro-3-methylphenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Methylnaphthalene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4,6-Trichlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,3-Dichloroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4,5-Trichlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Chloronaphthalene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Nitroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,4-Dinitrobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Dimethylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
2,6-Dinitrotoluene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2-Dinitrobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Acenaphthylene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-23-9.0-0810**					
Laboratory ID:	08-175-06					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
Acenaphthene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4-Dinitrotoluene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Dibenzofuran	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Diethylphthalate	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
4-Chlorophenyl-phenylether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
4-Nitroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Fluorene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
n-Nitrosodiphenylamine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2-Diphenylhydrazine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
4-Bromophenyl-phenylether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Hexachlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Pentachlorophenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
Phenanthrene	**0.010**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Anthracene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Di-n-butylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Fluoranthene	**0.056**	0.035	EPA 8270	8-31-10	9-1-10	
Benzidine	**ND**	0.35	EPA 8270	8-31-10	9-1-10	
Pyrene	**0.052**	0.035	EPA 8270	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
bis-2-Ethylhexyladipate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
3,3'-Dichlorobenzidine	**ND**	0.35	EPA 8270	8-31-10	9-1-10	
Benzo[a]anthracene	**0.048**	0.035	EPA 8270	8-31-10	9-1-10	
Chrysene	**0.090**	0.035	EPA 8270	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Di-n-octylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Benzo[b]fluoranthene	**0.098**	0.035	EPA 8270	8-31-10	9-1-10	
Benzo[k]fluoranthene	**0.052**	0.035	EPA 8270	8-31-10	9-1-10	
Benzo[a]pyrene	**0.054**	0.035	EPA 8270	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**0.043**	0.035	EPA 8270	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**0.018**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**0.050**	0.035	EPA 8270	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*74*	*22 - 107*				
Phenol-d6	*83*	*28 - 116*				
Nitrobenzene-d5	*83*	*25 - 111*				
2-Fluorobiphenyl	*75*	*35 - 108*				
2,4,6-Tribromophenol	*68*	*42 - 118*				
Terphenyl-d14	*80*	*44 - 121*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-23-11.0-0810**					
Laboratory ID:	08-175-07					
n-Nitrosodimethylamine	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Pyridine	**ND**	0.38	EPA 8270	8-31-10	9-1-10	
Phenol	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Aniline	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethyl)ether	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2-Chlorophenol	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
1,3-Dichlorobenzene	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
1,4-Dichlorobenzene	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Benzyl alcohol	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
1,2-Dichlorobenzene	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2-Methylphenol (o-Cresol)	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroisopropyl)ether	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
n-Nitroso-di-n-propylamine	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Hexachloroethane	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Nitrobenzene	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Isophorone	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2-Nitrophenol	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2,4-Dimethylphenol	**ND**	0.96	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethoxy)methane	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2,4-Dichlorophenol	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
1,2,4-Trichlorobenzene	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Naphthalene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Hexachlorobutadiene	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
4-Chloro-3-methylphenol	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2-Methylnaphthalene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2,4,6-Trichlorophenol	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2,3-Dichloroaniline	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2,4,5-Trichlorophenol	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2-Chloronaphthalene	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2-Nitroaniline	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
1,4-Dinitrobenzene	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Dimethylphthalate	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
1,3-Dinitrobenzene	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
2,6-Dinitrotoluene	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
1,2-Dinitrobenzene	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Acenaphthylene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.038	EPA 8270	8-31-10	9-1-10	

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Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-23-11.0-0810**					
Laboratory ID:	08-175-07					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
Acenaphthene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2,4-Dinitrotoluene	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Dibenzofuran	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Diethylphthalate	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
4-Chlorophenyl-phenylether	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
4-Nitroaniline	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Fluorene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
n-Nitrosodiphenylamine	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
1,2-Diphenylhydrazine	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
4-Bromophenyl-phenylether	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Hexachlorobenzene	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Pentachlorophenol	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
Phenanthrene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
Anthracene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Di-n-butylphthalate	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Fluoranthene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
Benzidine	**ND**	0.38	EPA 8270	8-31-10	9-1-10	
Pyrene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
bis-2-Ethylhexyladipate	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
3,3'-Dichlorobenzidine	**ND**	0.38	EPA 8270	8-31-10	9-1-10	
Benzo[a]anthracene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
Chrysene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Di-n-octylphthalate	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Benzo[b]fluoranthene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[k]fluoranthene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[a]pyrene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*67*	*22 - 107*				
Phenol-d6	*69*	*28 - 116*				
Nitrobenzene-d5	*68*	*25 - 111*				
2-Fluorobiphenyl	*68*	*35 - 108*				
2,4,6-Tribromophenol	*83*	*42 - 118*				
Terphenyl-d14	*81*	*44 - 121*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-25-11.0-0810**					
Laboratory ID:	08-175-09					
n-Nitrosodimethylamine	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Pyridine	**ND**	0.37	EPA 8270	8-31-10	9-1-10	
Phenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Aniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Chlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Benzyl alcohol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
n-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Hexachloroethane	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Nitrobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Isophorone	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Nitrophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4-Dimethylphenol	**ND**	0.93	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Naphthalene	**0.012**	0.0075	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Methylnaphthalene	**0.012**	0.0075	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**0.018**	0.0075	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Nitroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Dimethylphthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,3-Dinitrobenzene	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Acenaphthylene	**0.58**	0.037	EPA 8270	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-25-11.0-0810**					
Laboratory ID:	08-175-09					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
Acenaphthene	**0.033**	0.0075	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Dibenzofuran	**0.050**	0.037	EPA 8270	8-31-10	9-1-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Diethylphthalate	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
4-Nitroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Fluorene	**0.22**	0.037	EPA 8270	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
n-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Hexachlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Pentachlorophenol	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
Phenanthrene	**2.0**	0.037	EPA 8270	8-31-10	9-1-10	
Anthracene	**0.64**	0.037	EPA 8270	8-31-10	9-1-10	
Carbazole	**0.11**	0.037	EPA 8270	8-31-10	9-1-10	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Fluoranthene	**4.5**	0.19	EPA 8270	8-31-10	9-1-10	
Benzidine	**ND**	0.37	EPA 8270	8-31-10	9-1-10	
Pyrene	**3.6**	0.19	EPA 8270	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	8-31-10	9-1-10	
Benzo[a]anthracene	**1.6**	0.037	EPA 8270	8-31-10	9-1-10	
Chrysene	**1.7**	0.037	EPA 8270	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Benzo[b]fluoranthene	**1.8**	0.037	EPA 8270	8-31-10	9-1-10	
Benzo[k]fluoranthene	**1.2**	0.037	EPA 8270	8-31-10	9-1-10	
Benzo[a]pyrene	**1.5**	0.037	EPA 8270	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**0.96**	0.037	EPA 8270	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**0.34**	0.037	EPA 8270	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**1.0**	0.037	EPA 8270	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*73*	*22 - 107*				
Phenol-d6	*81*	*28 - 116*				
Nitrobenzene-d5	*76*	*25 - 111*				
2-Fluorobiphenyl	*76*	*35 - 108*				
2,4,6-Tribromophenol	*68*	*42 - 118*				
Terphenyl-d14	*86*	*44 - 121*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-26-8.5-0810**					
Laboratory ID:	08-175-10					
n-Nitrosodimethylamine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Pyridine	**ND**	0.35	EPA 8270	8-31-10	9-1-10	
Phenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Aniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethyl)ether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Chlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,3-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,4-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Benzyl alcohol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Methylphenol (o-Cresol)	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroisopropyl)ether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
n-Nitroso-di-n-propylamine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Hexachloroethane	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Nitrobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Isophorone	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Nitrophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4-Dimethylphenol	**ND**	0.87	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethoxy)methane	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4-Dichlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2,4-Trichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Naphthalene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Hexachlorobutadiene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
4-Chloro-3-methylphenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Methylnaphthalene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4,6-Trichlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,3-Dichloroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4,5-Trichlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Chloronaphthalene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Nitroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,4-Dinitrobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Dimethylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,3-Dinitrobenzene	**ND**	0.17	EPA 8270	8-31-10	9-1-10	
2,6-Dinitrotoluene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2-Dinitrobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Acenaphthylene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-26-8.5-0810**					
Laboratory ID:	08-175-10					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	8-31-10	9-1-10	
Acenaphthene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4-Dinitrotoluene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Dibenzofuran	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Diethylphthalate	**ND**	0.17	EPA 8270	8-31-10	9-1-10	
4-Chlorophenyl-phenylether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
4-Nitroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Fluorene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	8-31-10	9-1-10	
n-Nitrosodiphenylamine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2-Diphenylhydrazine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
4-Bromophenyl-phenylether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Hexachlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Pentachlorophenol	**ND**	0.17	EPA 8270	8-31-10	9-1-10	
Phenanthrene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Anthracene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Di-n-butylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Fluoranthene	**0.0078**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Benzidine	**ND**	0.35	EPA 8270	8-31-10	9-1-10	
Pyrene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
bis-2-Ethylhexyladipate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
3,3'-Dichlorobenzidine	**ND**	0.35	EPA 8270	8-31-10	9-1-10	
Benzo[a]anthracene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Chrysene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Di-n-octylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Benzo[b]fluoranthene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[k]fluoranthene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[a]pyrene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*41*	*22 - 107*				
Phenol-d6	*51*	*28 - 116*				
Nitrobenzene-d5	*40*	*25 - 111*				
2-Fluorobiphenyl	*54*	*35 - 108*				
2,4,6-Tribromophenol	*62*	*42 - 118*				
Terphenyl-d14	*77*	*44 - 121*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-26-11.5-0810**					
Laboratory ID:	08-175-11					
n-Nitrosodimethylamine	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Pyridine	**ND**	0.39	EPA 8270	8-31-10	9-1-10	
Phenol	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Aniline	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethyl)ether	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2-Chlorophenol	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
1,3-Dichlorobenzene	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
1,4-Dichlorobenzene	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Benzyl alcohol	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
1,2-Dichlorobenzene	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2-Methylphenol (o-Cresol)	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroisopropyl)ether	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
n-Nitroso-di-n-propylamine	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Hexachloroethane	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Nitrobenzene	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Isophorone	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2-Nitrophenol	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2,4-Dimethylphenol	**ND**	0.97	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethoxy)methane	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2,4-Dichlorophenol	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
1,2,4-Trichlorobenzene	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Naphthalene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Hexachlorobutadiene	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
4-Chloro-3-methylphenol	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2-Methylnaphthalene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2,4,6-Trichlorophenol	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2,3-Dichloroaniline	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2,4,5-Trichlorophenol	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2-Chloronaphthalene	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2-Nitroaniline	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
1,4-Dinitrobenzene	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Dimethylphthalate	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
1,3-Dinitrobenzene	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
2,6-Dinitrotoluene	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
1,2-Dinitrobenzene	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Acenaphthylene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.039	EPA 8270	8-31-10	9-1-10	

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Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-26-11.5-0810**					
Laboratory ID:	08-175-11					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
Acenaphthene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2,4-Dinitrotoluene	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Dibenzofuran	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Diethylphthalate	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
4-Chlorophenyl-phenylether	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
4-Nitroaniline	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Fluorene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
n-Nitrosodiphenylamine	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
1,2-Diphenylhydrazine	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
4-Bromophenyl-phenylether	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Hexachlorobenzene	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Pentachlorophenol	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
Phenanthrene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Anthracene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Di-n-butylphthalate	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Fluoranthene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Benzidine	**ND**	0.39	EPA 8270	8-31-10	9-1-10	
Pyrene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
bis-2-Ethylhexyladipate	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
3,3'-Dichlorobenzidine	**ND**	0.39	EPA 8270	8-31-10	9-1-10	
Benzo[a]anthracene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Chrysene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Di-n-octylphthalate	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Benzo[b]fluoranthene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[k]fluoranthene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[a]pyrene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*48*	*22 - 107*				
Phenol-d6	*53*	*28 - 116*				
Nitrobenzene-d5	*45*	*25 - 111*				
2-Fluorobiphenyl	*52*	*35 - 108*				
2,4,6-Tribromophenol	*56*	*42 - 118*				
Terphenyl-d14	*59*	*44 - 121*				

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Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-27-8.5-0810**					
Laboratory ID:	08-175-13					
n-Nitrosodimethylamine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Pyridine	**ND**	0.35	EPA 8270	8-31-10	9-1-10	
Phenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Aniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethyl)ether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Chlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,3-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,4-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Benzyl alcohol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Methylphenol (o-Cresol)	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroisopropyl)ether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
n-Nitroso-di-n-propylamine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Hexachloroethane	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Nitrobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Isophorone	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Nitrophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4-Dimethylphenol	**ND**	0.88	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethoxy)methane	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4-Dichlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2,4-Trichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Naphthalene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Hexachlorobutadiene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
4-Chloro-3-methylphenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Methylnaphthalene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4,6-Trichlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,3-Dichloroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4,5-Trichlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Chloronaphthalene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Nitroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,4-Dinitrobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Dimethylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
2,6-Dinitrotoluene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2-Dinitrobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Acenaphthylene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	

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SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-27-8.5-0810**					
Laboratory ID:	08-175-13					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
Acenaphthene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4-Dinitrotoluene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Dibenzofuran	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Diethylphthalate	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
4-Chlorophenyl-phenylether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
4-Nitroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Fluorene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
n-Nitrosodiphenylamine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2-Diphenylhydrazine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
4-Bromophenyl-phenylether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Hexachlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Pentachlorophenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
Phenanthrene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Anthracene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Di-n-butylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Fluoranthene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Benzidine	**ND**	0.35	EPA 8270	8-31-10	9-1-10	
Pyrene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
bis-2-Ethylhexyladipate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
3,3'-Dichlorobenzidine	**ND**	0.35	EPA 8270	8-31-10	9-1-10	
Benzo[a]anthracene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Chrysene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Di-n-octylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Benzo[b]fluoranthene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[k]fluoranthene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[a]pyrene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*72*	*22 - 107*				
Phenol-d6	*72*	*28 - 116*				
Nitrobenzene-d5	*68*	*25 - 111*				
2-Fluorobiphenyl	*68*	*35 - 108*				
2,4,6-Tribromophenol	*73*	*42 - 118*				
Terphenyl-d14	*75*	*44 - 121*				

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SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-27-11.0-0810**					
Laboratory ID:	08-175-14					
n-Nitrosodimethylamine	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Pyridine	**ND**	0.40	EPA 8270	8-31-10	9-1-10	
Phenol	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Aniline	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethyl)ether	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2-Chlorophenol	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
1,3-Dichlorobenzene	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
1,4-Dichlorobenzene	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Benzyl alcohol	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
1,2-Dichlorobenzene	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2-Methylphenol (o-Cresol)	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroisopropyl)ether	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
n-Nitroso-di-n-propylamine	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Hexachloroethane	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Nitrobenzene	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Isophorone	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2-Nitrophenol	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2,4-Dimethylphenol	**ND**	0.99	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethoxy)methane	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2,4-Dichlorophenol	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
1,2,4-Trichlorobenzene	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Naphthalene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Hexachlorobutadiene	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
4-Chloro-3-methylphenol	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2-Methylnaphthalene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2,4,6-Trichlorophenol	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2,3-Dichloroaniline	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2,4,5-Trichlorophenol	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2-Chloronaphthalene	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2-Nitroaniline	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
1,4-Dinitrobenzene	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Dimethylphthalate	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
1,3-Dinitrobenzene	**ND**	0.20	EPA 8270	8-31-10	9-1-10	
2,6-Dinitrotoluene	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
1,2-Dinitrobenzene	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Acenaphthylene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.040	EPA 8270	8-31-10	9-1-10	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-27-11.0-0810**					
Laboratory ID:	08-175-14					
2,4-Dinitrophenol	**ND**	0.20	EPA 8270	8-31-10	9-1-10	
Acenaphthene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2,4-Dinitrotoluene	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Dibenzofuran	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Diethylphthalate	**ND**	0.20	EPA 8270	8-31-10	9-1-10	
4-Chlorophenyl-phenylether	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
4-Nitroaniline	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Fluorene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.20	EPA 8270	8-31-10	9-1-10	
n-Nitrosodiphenylamine	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
1,2-Diphenylhydrazine	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
4-Bromophenyl-phenylether	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Hexachlorobenzene	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Pentachlorophenol	**ND**	0.20	EPA 8270	8-31-10	9-1-10	
Phenanthrene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
Anthracene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Di-n-butylphthalate	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Fluoranthene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
Benzidine	**ND**	0.40	EPA 8270	8-31-10	9-1-10	
Pyrene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
bis-2-Ethylhexyladipate	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
3,3'-Dichlorobenzidine	**ND**	0.40	EPA 8270	8-31-10	9-1-10	
Benzo[a]anthracene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
Chrysene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Di-n-octylphthalate	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Benzo[b]fluoranthene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[k]fluoranthene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[a]pyrene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*68*	*22 - 107*				
Phenol-d6	*68*	*28 - 116*				
Nitrobenzene-d5	*66*	*25 - 111*				
2-Fluorobiphenyl	*66*	*35 - 108*				
2,4,6-Tribromophenol	*65*	*42 - 118*				
Terphenyl-d14	*70*	*44 - 121*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-28-9.0-0810**					
Laboratory ID:	08-175-15					
n-Nitrosodimethylamine	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Pyridine	**ND**	0.37	EPA 8270	8-31-10	9-1-10	
Phenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Aniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Chlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Benzyl alcohol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
n-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Hexachloroethane	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Nitrobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Isophorone	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Nitrophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4-Dimethylphenol	**ND**	0.92	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Naphthalene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Methylnaphthalene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Nitroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Dimethylphthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Acenaphthylene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-28-9.0-0810**					
Laboratory ID:	08-175-15					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
Acenaphthene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Dibenzofuran	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Diethylphthalate	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
4-Nitroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Fluorene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
n-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Hexachlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Pentachlorophenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
Phenanthrene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Anthracene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Fluoranthene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Benzidine	**ND**	0.37	EPA 8270	8-31-10	9-1-10	
Pyrene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	8-31-10	9-1-10	
Benzo[a]anthracene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Chrysene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Benzo[b]fluoranthene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[k]fluoranthene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[a]pyrene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*78*	*22 - 107*				
Phenol-d6	*77*	*28 - 116*				
Nitrobenzene-d5	*74*	*25 - 111*				
2-Fluorobiphenyl	*73*	*35 - 108*				
2,4,6-Tribromophenol	*80*	*42 - 118*				
Terphenyl-d14	*86*	*44 - 121*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-28-11.0-0810**					
Laboratory ID:	08-175-16					
n-Nitrosodimethylamine	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Pyridine	**ND**	0.37	EPA 8270	8-31-10	9-1-10	
Phenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Aniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Chlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Benzyl alcohol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
n-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Hexachloroethane	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Nitrobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Isophorone	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Nitrophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4-Dimethylphenol	**ND**	0.92	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Naphthalene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Methylnaphthalene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Nitroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Dimethylphthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Acenaphthylene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-28-11.0-0810**					
Laboratory ID:	08-175-16					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
Acenaphthene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Dibenzofuran	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Diethylphthalate	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
4-Nitroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Fluorene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
n-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Hexachlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Pentachlorophenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
Phenanthrene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Anthracene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Fluoranthene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Benzidine	**ND**	0.37	EPA 8270	8-31-10	9-1-10	
Pyrene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	8-31-10	9-1-10	
Benzo[a]anthracene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Chrysene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Benzo[b]fluoranthene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[k]fluoranthene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[a]pyrene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*77*	*22 - 107*				
Phenol-d6	*76*	*28 - 116*				
Nitrobenzene-d5	*71*	*25 - 111*				
2-Fluorobiphenyl	*72*	*35 - 108*				
2,4,6-Tribromophenol	*72*	*42 - 118*				
Terphenyl-d14	*79*	*44 - 121*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-29-8.0-0810**					
Laboratory ID:	08-175-18					
n-Nitrosodimethylamine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Pyridine	**ND**	0.35	EPA 8270	8-31-10	9-1-10	
Phenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Aniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethyl)ether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Chlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,3-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,4-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Benzyl alcohol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Methylphenol (o-Cresol)	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroisopropyl)ether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
n-Nitroso-di-n-propylamine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Hexachloroethane	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Nitrobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Isophorone	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Nitrophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4-Dimethylphenol	**ND**	0.89	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethoxy)methane	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4-Dichlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2,4-Trichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Naphthalene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Hexachlorobutadiene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
4-Chloro-3-methylphenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Methylnaphthalene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4,6-Trichlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,3-Dichloroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4,5-Trichlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Chloronaphthalene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Nitroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,4-Dinitrobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Dimethylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
2,6-Dinitrotoluene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2-Dinitrobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Acenaphthylene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-29-8.0-0810**					
Laboratory ID:	08-175-18					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
Acenaphthene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4-Dinitrotoluene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Dibenzofuran	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Diethylphthalate	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
4-Chlorophenyl-phenylether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
4-Nitroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Fluorene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
n-Nitrosodiphenylamine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2-Diphenylhydrazine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
4-Bromophenyl-phenylether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Hexachlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Pentachlorophenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
Phenanthrene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Anthracene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Di-n-butylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Fluoranthene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Benzidine	**ND**	0.35	EPA 8270	8-31-10	9-1-10	
Pyrene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
bis-2-Ethylhexyladipate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
3,3'-Dichlorobenzidine	**ND**	0.35	EPA 8270	8-31-10	9-1-10	
Benzo[a]anthracene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Chrysene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Di-n-octylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Benzo[b]fluoranthene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[k]fluoranthene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[a]pyrene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*83*	*22 - 107*				
Phenol-d6	*83*	*28 - 116*				
Nitrobenzene-d5	*78*	*25 - 111*				
2-Fluorobiphenyl	*77*	*35 - 108*				
2,4,6-Tribromophenol	*71*	*42 - 118*				
Terphenyl-d14	*88*	*44 - 121*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-29-11.0-0810**					
Laboratory ID:	08-175-19					
n-Nitrosodimethylamine	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Pyridine	**ND**	0.36	EPA 8270	8-31-10	9-1-10	
Phenol	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Aniline	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethyl)ether	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2-Chlorophenol	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
1,3-Dichlorobenzene	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
1,4-Dichlorobenzene	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Benzyl alcohol	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
1,2-Dichlorobenzene	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2-Methylphenol (o-Cresol)	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroisopropyl)ether	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
n-Nitroso-di-n-propylamine	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Hexachloroethane	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Nitrobenzene	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Isophorone	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2-Nitrophenol	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2,4-Dimethylphenol	**ND**	0.90	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethoxy)methane	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2,4-Dichlorophenol	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
1,2,4-Trichlorobenzene	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Naphthalene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Hexachlorobutadiene	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
4-Chloro-3-methylphenol	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2-Methylnaphthalene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2,4,6-Trichlorophenol	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2,3-Dichloroaniline	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2,4,5-Trichlorophenol	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2-Chloronaphthalene	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2-Nitroaniline	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
1,4-Dinitrobenzene	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Dimethylphthalate	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
2,6-Dinitrotoluene	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
1,2-Dinitrobenzene	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Acenaphthylene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.036	EPA 8270	8-31-10	9-1-10	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-29-11.0-0810**					
Laboratory ID:	08-175-19					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
Acenaphthene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2,4-Dinitrotoluene	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Dibenzofuran	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Diethylphthalate	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
4-Chlorophenyl-phenylether	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
4-Nitroaniline	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Fluorene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
n-Nitrosodiphenylamine	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
1,2-Diphenylhydrazine	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
4-Bromophenyl-phenylether	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Hexachlorobenzene	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Pentachlorophenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
Phenanthrene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
Anthracene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Di-n-butylphthalate	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Fluoranthene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
Benzidine	**ND**	0.36	EPA 8270	8-31-10	9-1-10	
Pyrene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
bis-2-Ethylhexyladipate	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
3,3'-Dichlorobenzidine	**ND**	0.36	EPA 8270	8-31-10	9-1-10	
Benzo[a]anthracene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
Chrysene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Di-n-octylphthalate	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Benzo[b]fluoranthene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[k]fluoranthene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[a]pyrene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*74*	*22 - 107*				
Phenol-d6	*76*	*28 - 116*				
Nitrobenzene-d5	*70*	*25 - 111*				
2-Fluorobiphenyl	*69*	*35 - 108*				
2,4,6-Tribromophenol	*64*	*42 - 118*				
Terphenyl-d14	*77*	*44 - 121*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0831S1					
n-Nitrosodimethylamine	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Pyridine	**ND**	0.33	EPA 8270	8-31-10	8-31-10	
Phenol	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Aniline	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2-Chlorophenol	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Benzyl alcohol	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
n-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Hexachloroethane	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Nitrobenzene	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Isophorone	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2-Nitrophenol	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2,4-Dimethylphenol	**ND**	0.83	EPA 8270	8-31-10	8-31-10	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
4-Chloroaniline	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2-Nitroaniline	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Dimethylphthalate	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
1,3-Dinitrobenzene	**ND**	0.17	EPA 8270	8-31-10	8-31-10	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
3-Nitroaniline	**ND**	0.033	EPA 8270	8-31-10	8-31-10	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0831S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	8-31-10	8-31-10	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
4-Nitrophenol	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Dibenzofuran	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Diethylphthalate	**ND**	0.17	EPA 8270	8-31-10	8-31-10	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
4-Nitroaniline	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Fluorene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	8-31-10	8-31-10	
n-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Hexachlorobenzene	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Pentachlorophenol	**ND**	0.17	EPA 8270	8-31-10	8-31-10	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
Anthracene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
Carbazole	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
Benzidine	**ND**	0.33	EPA 8270	8-31-10	8-31-10	
Pyrene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	8-31-10	8-31-10	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
Chrysene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*55*	*22 - 107*				
Phenol-d6	*58*	*28 - 116*				
Nitrobenzene-d5	*55*	*25 - 111*				
2-Fluorobiphenyl	*59*	*35 - 108*				
2,4,6-Tribromophenol	*72*	*42 - 118*				
Terphenyl-d14	*79*	*44 - 121*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	08-175-04										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**1.00**	**0.931**	1.33	1.33	ND	75	70	31 - 111	7	27	
2-Chlorophenol	**1.13**	**1.06**	1.33	1.33	ND	85	80	36 - 106	6	32	
1,4-Dichlorobenzene	**0.495**	**0.467**	0.667	0.667	ND	74	70	25 - 96	6	42	
n-Nitroso-di-n-propylamine	**0.462**	**0.428**	0.667	0.667	ND	69	64	37 - 107	8	36	
1,2,4-Trichlorobenzene	**0.478**	**0.436**	0.667	0.667	ND	72	65	29 - 101	9	31	
4-Chloro-3-methylphenol	**1.10**	**1.00**	1.33	1.33	ND	83	75	47 - 112	10	18	
Acenaphthene	**0.547**	**0.500**	0.667	0.667	ND	82	75	43 - 104	9	19	
4-Nitrophenol	**1.29**	**1.16**	1.33	1.33	ND	97	87	24 - 133	11	18	
2,4-Dinitrotoluene	**0.592**	**0.544**	0.667	0.667	ND	89	82	42 -117	8	19	
Pentachlorophenol	**1.23**	**1.12**	1.33	1.33	ND	92	84	25 - 135	9	20	
Pyrene	**0.600**	**0.567**	0.667	0.667	ND	90	85	29 - 129	6	29	
Surrogate:											
2-Fluorophenol						*70*	*66*	*22 - 107*			
Phenol-d6						*72*	*67*	*28 - 116*			
Nitrobenzene-d5						*70*	*65*	*25 - 111*			
2-Fluorobiphenyl						*73*	*68*	*35 - 108*			
2,4,6-Tribromophenol						*81*	*75*	*42 - 118*			
Terphenyl-d14						*85*	*78*	*44 - 121*			

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-22-16.0-0810**					
Laboratory ID:	08-175-03					
n-Nitrosodimethylamine	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Pyridine	**ND**	9.5	EPA 8270	8-25-10	8-27-10	
Phenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Aniline	**ND**	4.8	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroethyl)ether	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2-Chlorophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,3-Dichlorobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,4-Dichlorobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Benzyl alcohol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,2-Dichlorobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2-Methylphenol (o-Cresol)	**3.6**	0.95	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroisopropyl)ether	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
(3+4)-Methylphenol (m,p-Cresol)	**9.7**	0.95	EPA 8270	8-25-10	8-27-10	
n-Nitroso-di-n-propylamine	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Hexachloroethane	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Nitrobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Isophorone	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2-Nitrophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,4-Dimethylphenol	**20**	0.95	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroethoxy)methane	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,4-Dichlorophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,2,4-Trichlorobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Naphthalene	**22**	0.95	EPA 8270	8-25-10	8-27-10	
4-Chloroaniline	**ND**	9.5	EPA 8270	8-25-10	8-27-10	
Hexachlorobutadiene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
4-Chloro-3-methylphenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2-Methylnaphthalene	**1.3**	0.95	EPA 8270	8-25-10	8-27-10	
1-Methylnaphthalene	**0.76**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
Hexachlorocyclopentadiene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,4,6-Trichlorophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,3-Dichloroaniline	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,4,5-Trichlorophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2-Chloronaphthalene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2-Nitroaniline	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,4-Dinitrobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Dimethylphthalate	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,3-Dinitrobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,6-Dinitrotoluene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,2-Dinitrobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Acenaphthylene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
3-Nitroaniline	**ND**	0.95	EPA 8270	8-25-10	8-27-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-22-16.0-0810**					
Laboratory ID:	08-175-03					
2,4-Dinitrophenol	**ND**	9.5	EPA 8270	8-25-10	8-27-10	
Acenaphthene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
4-Nitrophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,4-Dinitrotoluene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Dibenzofuran	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Diethylphthalate	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
4-Chlorophenyl-phenylether	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
4-Nitroaniline	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Fluorene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
4,6-Dinitro-2-methylphenol	**ND**	4.8	EPA 8270	8-25-10	8-27-10	
n-Nitrosodiphenylamine	**ND**	9.5	EPA 8270	8-25-10	8-27-10	
1,2-Diphenylhydrazine	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
4-Bromophenyl-phenylether	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Hexachlorobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Pentachlorophenol	**ND**	4.8	EPA 8270	8-25-10	8-27-10	
Phenanthrene	**0.15**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
Anthracene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
Carbazole	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Di-n-butylphthalate	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Fluoranthene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
Benzidine	**ND**	9.5	EPA 8270	8-25-10	8-27-10	
Pyrene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
Butylbenzylphthalate	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
bis-2-Ethylhexyladipate	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
3,3'-Dichlorobenzidine	**ND**	9.5	EPA 8270	8-25-10	8-27-10	
Benzo[a]anthracene	**0.022**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Chrysene	**0.025**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Di-n-octylphthalate	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Benzo[b]fluoranthene	**0.017**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Benzo[k]fluoranthene	**0.017**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Benzo[a]pyrene	**0.022**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Indeno[1,2,3-cd]pyrene	**0.011**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Dibenz[a,h]anthracene	**ND**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Benzo[g,h,i]perylene	**0.015**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*39*	*14 - 95*				
Phenol-d6	*39*	*10 - 94*				
Nitrobenzene-d5	*71*	*34 - 118*				
2-Fluorobiphenyl	*75*	*40 - 111*				
2,4,6-Tribromophenol	*82*	*52 - 117*				
Terphenyl-d14	*78*	*57 - 114*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-25-16.0-0810**					
Laboratory ID:	08-175-12					
n-Nitrosodimethylamine	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Pyridine	**ND**	9.9	EPA 8270	8-25-10	8-27-10	
Phenol	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Aniline	**ND**	4.9	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroethyl)ether	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2-Chlorophenol	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
1,3-Dichlorobenzene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
1,4-Dichlorobenzene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Benzyl alcohol	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
1,2-Dichlorobenzene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2-Methylphenol (o-Cresol)	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroisopropyl)ether	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
n-Nitroso-di-n-propylamine	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Hexachloroethane	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Nitrobenzene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Isophorone	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2-Nitrophenol	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2,4-Dimethylphenol	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroethoxy)methane	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2,4-Dichlorophenol	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
1,2,4-Trichlorobenzene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Naphthalene	**ND**	0.099	EPA 8270/SIM	8-25-10	8-31-10	
4-Chloroaniline	**ND**	9.9	EPA 8270	8-25-10	8-27-10	
Hexachlorobutadiene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
4-Chloro-3-methylphenol	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2-Methylnaphthalene	**ND**	0.099	EPA 8270/SIM	8-25-10	8-31-10	
1-Methylnaphthalene	**ND**	0.099	EPA 8270/SIM	8-25-10	8-31-10	
Hexachlorocyclopentadiene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2,4,6-Trichlorophenol	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2,3-Dichloroaniline	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2,4,5-Trichlorophenol	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2-Chloronaphthalene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2-Nitroaniline	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
1,4-Dinitrobenzene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Dimethylphthalate	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
1,3-Dinitrobenzene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2,6-Dinitrotoluene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
1,2-Dinitrobenzene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Acenaphthylene	**ND**	0.099	EPA 8270/SIM	8-25-10	8-31-10	
3-Nitroaniline	**ND**	0.99	EPA 8270	8-25-10	8-27-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-25-16.0-0810**					
Laboratory ID:	08-175-12					
2,4-Dinitrophenol	**ND**	9.9	EPA 8270	8-25-10	8-27-10	
Acenaphthene	**ND**	0.099	EPA 8270/SIM	8-25-10	8-31-10	
4-Nitrophenol	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2,4-Dinitrotoluene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Dibenzofuran	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Diethylphthalate	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
4-Chlorophenyl-phenylether	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
4-Nitroaniline	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Fluorene	**ND**	0.099	EPA 8270/SIM	8-25-10	8-31-10	
4,6-Dinitro-2-methylphenol	**ND**	4.9	EPA 8270	8-25-10	8-27-10	
n-Nitrosodiphenylamine	**ND**	9.9	EPA 8270	8-25-10	8-27-10	
1,2-Diphenylhydrazine	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
4-Bromophenyl-phenylether	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Hexachlorobenzene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Pentachlorophenol	**ND**	4.9	EPA 8270	8-25-10	8-27-10	
Phenanthrene	**0.12**	0.099	EPA 8270/SIM	8-25-10	8-31-10	
Anthracene	**ND**	0.099	EPA 8270/SIM	8-25-10	8-31-10	
Carbazole	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Di-n-butylphthalate	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Fluoranthene	**0.17**	0.099	EPA 8270/SIM	8-25-10	8-31-10	
Benzidine	**ND**	9.9	EPA 8270	8-25-10	8-27-10	
Pyrene	**0.14**	0.099	EPA 8270/SIM	8-25-10	8-31-10	
Butylbenzylphthalate	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
bis-2-Ethylhexyladipate	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
3,3'-Dichlorobenzidine	**ND**	9.9	EPA 8270	8-25-10	8-27-10	
Benzo[a]anthracene	**0.064**	0.0099	EPA 8270/SIM	8-25-10	8-31-10	
Chrysene	**0.076**	0.0099	EPA 8270/SIM	8-25-10	8-31-10	
bis(2-Ethylhexyl)phthalate	**1.9**	0.99	EPA 8270	8-25-10	8-27-10	
Di-n-octylphthalate	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Benzo[b]fluoranthene	**0.054**	0.0099	EPA 8270/SIM	8-25-10	8-31-10	
Benzo[k]fluoranthene	**0.051**	0.0099	EPA 8270/SIM	8-25-10	8-31-10	
Benzo[a]pyrene	**0.061**	0.0099	EPA 8270/SIM	8-25-10	8-31-10	
Indeno[1,2,3-cd]pyrene	**0.035**	0.0099	EPA 8270/SIM	8-25-10	8-31-10	
Dibenz[a,h]anthracene	**0.012**	0.0099	EPA 8270/SIM	8-25-10	8-31-10	
Benzo[g,h,i]perylene	**0.039**	0.0099	EPA 8270/SIM	8-25-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*46*	*14 - 95*				
Phenol-d6	*35*	*10 - 94*				
Nitrobenzene-d5	*72*	*34 - 118*				
2-Fluorobiphenyl	*77*	*40 - 111*				
2,4,6-Tribromophenol	*78*	*52 - 117*				
Terphenyl-d14	*81*	*57 - 114*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-27-16.0-0810**					
Laboratory ID:	08-175-17					
n-Nitrosodimethylamine	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Pyridine	**ND**	9.7	EPA 8270	8-25-10	8-27-10	
Phenol	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Aniline	**ND**	4.9	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroethyl)ether	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2-Chlorophenol	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
1,3-Dichlorobenzene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
1,4-Dichlorobenzene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Benzyl alcohol	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
1,2-Dichlorobenzene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2-Methylphenol (o-Cresol)	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroisopropyl)ether	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
n-Nitroso-di-n-propylamine	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Hexachloroethane	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Nitrobenzene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Isophorone	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2-Nitrophenol	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2,4-Dimethylphenol	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroethoxy)methane	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2,4-Dichlorophenol	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
1,2,4-Trichlorobenzene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Naphthalene	**ND**	0.097	EPA 8270/SIM	8-25-10	8-31-10	
4-Chloroaniline	**ND**	9.7	EPA 8270	8-25-10	8-27-10	
Hexachlorobutadiene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
4-Chloro-3-methylphenol	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2-Methylnaphthalene	**ND**	0.097	EPA 8270/SIM	8-25-10	8-31-10	
1-Methylnaphthalene	**ND**	0.097	EPA 8270/SIM	8-25-10	8-31-10	
Hexachlorocyclopentadiene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2,4,6-Trichlorophenol	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2,3-Dichloroaniline	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2,4,5-Trichlorophenol	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2-Chloronaphthalene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2-Nitroaniline	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
1,4-Dinitrobenzene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Dimethylphthalate	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
1,3-Dinitrobenzene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2,6-Dinitrotoluene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
1,2-Dinitrobenzene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Acenaphthylene	**ND**	0.097	EPA 8270/SIM	8-25-10	8-31-10	
3-Nitroaniline	**ND**	0.97	EPA 8270	8-25-10	8-27-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-27-16.0-0810**					
Laboratory ID:	08-175-17					
2,4-Dinitrophenol	**ND**	9.7	EPA 8270	8-25-10	8-27-10	
Acenaphthene	**ND**	0.097	EPA 8270/SIM	8-25-10	8-31-10	
4-Nitrophenol	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2,4-Dinitrotoluene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Dibenzofuran	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Diethylphthalate	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
4-Chlorophenyl-phenylether	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
4-Nitroaniline	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Fluorene	**ND**	0.097	EPA 8270/SIM	8-25-10	8-31-10	
4,6-Dinitro-2-methylphenol	**ND**	4.9	EPA 8270	8-25-10	8-27-10	
n-Nitrosodiphenylamine	**ND**	9.7	EPA 8270	8-25-10	8-27-10	
1,2-Diphenylhydrazine	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
4-Bromophenyl-phenylether	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Hexachlorobenzene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Pentachlorophenol	**ND**	4.9	EPA 8270	8-25-10	8-27-10	
Phenanthrene	**ND**	0.097	EPA 8270/SIM	8-25-10	8-31-10	
Anthracene	**ND**	0.097	EPA 8270/SIM	8-25-10	8-31-10	
Carbazole	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Di-n-butylphthalate	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Fluoranthene	**ND**	0.097	EPA 8270/SIM	8-25-10	8-31-10	
Benzidine	**ND**	9.7	EPA 8270	8-25-10	8-27-10	
Pyrene	**ND**	0.097	EPA 8270/SIM	8-25-10	8-31-10	
Butylbenzylphthalate	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
bis-2-Ethylhexyladipate	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
3,3'-Dichlorobenzidine	**ND**	9.7	EPA 8270	8-25-10	8-27-10	
Benzo[a]anthracene	**ND**	0.0097	EPA 8270/SIM	8-25-10	8-31-10	
Chrysene	**ND**	0.0097	EPA 8270/SIM	8-25-10	8-31-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Di-n-octylphthalate	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Benzo[b]fluoranthene	**ND**	0.0097	EPA 8270/SIM	8-25-10	8-31-10	
Benzo[k]fluoranthene	**ND**	0.0097	EPA 8270/SIM	8-25-10	8-31-10	
Benzo[a]pyrene	**ND**	0.0097	EPA 8270/SIM	8-25-10	8-31-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0097	EPA 8270/SIM	8-25-10	8-31-10	
Dibenz[a,h]anthracene	**ND**	0.0097	EPA 8270/SIM	8-25-10	8-31-10	
Benzo[g,h,i]perylene	**ND**	0.0097	EPA 8270/SIM	8-25-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*50*	*14 - 95*				
Phenol-d6	*38*	*10 - 94*				
Nitrobenzene-d5	*80*	*34 - 118*				
2-Fluorobiphenyl	*86*	*40 - 111*				
2,4,6-Tribromophenol	*92*	*52 - 117*				
Terphenyl-d14	*95*	*57 - 114*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-29-16.0-0810**					
Laboratory ID:	08-175-20					
n-Nitrosodimethylamine	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Pyridine	**ND**	9.5	EPA 8270	8-25-10	8-27-10	
Phenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Aniline	**ND**	4.7	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroethyl)ether	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2-Chlorophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,3-Dichlorobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,4-Dichlorobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Benzyl alcohol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,2-Dichlorobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2-Methylphenol (o-Cresol)	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroisopropyl)ether	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
n-Nitroso-di-n-propylamine	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Hexachloroethane	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Nitrobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Isophorone	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2-Nitrophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,4-Dimethylphenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroethoxy)methane	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,4-Dichlorophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,2,4-Trichlorobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Naphthalene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
4-Chloroaniline	**ND**	9.5	EPA 8270	8-25-10	8-27-10	
Hexachlorobutadiene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
4-Chloro-3-methylphenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2-Methylnaphthalene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
1-Methylnaphthalene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
Hexachlorocyclopentadiene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,4,6-Trichlorophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,3-Dichloroaniline	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,4,5-Trichlorophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2-Chloronaphthalene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2-Nitroaniline	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,4-Dinitrobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Dimethylphthalate	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,3-Dinitrobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,6-Dinitrotoluene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,2-Dinitrobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Acenaphthylene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
3-Nitroaniline	**ND**	0.95	EPA 8270	8-25-10	8-27-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-29-16.0-0810**					
Laboratory ID:	08-175-20					
2,4-Dinitrophenol	**ND**	9.5	EPA 8270	8-25-10	8-27-10	
Acenaphthene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
4-Nitrophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,4-Dinitrotoluene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Dibenzofuran	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Diethylphthalate	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
4-Chlorophenyl-phenylether	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
4-Nitroaniline	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Fluorene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
4,6-Dinitro-2-methylphenol	**ND**	4.7	EPA 8270	8-25-10	8-27-10	
n-Nitrosodiphenylamine	**ND**	9.5	EPA 8270	8-25-10	8-27-10	
1,2-Diphenylhydrazine	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
4-Bromophenyl-phenylether	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Hexachlorobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Pentachlorophenol	**ND**	4.7	EPA 8270	8-25-10	8-27-10	
Phenanthrene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
Anthracene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
Carbazole	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Di-n-butylphthalate	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Fluoranthene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
Benzidine	**ND**	9.5	EPA 8270	8-25-10	8-27-10	
Pyrene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
Butylbenzylphthalate	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
bis-2-Ethylhexyladipate	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
3,3'-Dichlorobenzidine	**ND**	9.5	EPA 8270	8-25-10	8-27-10	
Benzo[a]anthracene	**0.012**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Chrysene	**ND**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
bis(2-Ethylhexyl)phthalate	**7.1**	0.95	EPA 8270	8-25-10	8-27-10	
Di-n-octylphthalate	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Benzo[b]fluoranthene	**0.010**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Benzo[k]fluoranthene	**ND**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Benzo[a]pyrene	**0.017**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Dibenz[a,h]anthracene	**ND**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Benzo[g,h,i]perylene	**ND**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*40*	*14 - 95*				
Phenol-d6	*31*	*10 - 94*				
Nitrobenzene-d5	*65*	*34 - 118*				
2-Fluorobiphenyl	*73*	*40 - 111*				
2,4,6-Tribromophenol	*80*	*52 - 117*				
Terphenyl-d14	*90*	*57 - 114*				

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0825W1					
n-Nitrosodimethylamine	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Pyridine	**ND**	10	EPA 8270	8-25-10	8-27-10	
Phenol	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Aniline	**ND**	5.0	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2-Chlorophenol	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Benzyl alcohol	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
n-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Hexachloroethane	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Nitrobenzene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Isophorone	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2-Nitrophenol	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Naphthalene	**ND**	0.10	EPA 8270/SIM	8-25-10	8-30-10	
4-Chloroaniline	**ND**	10	EPA 8270	8-25-10	8-27-10	
Hexachlorobutadiene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-25-10	8-30-10	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-25-10	8-30-10	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2-Chloronaphthalene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2-Nitroaniline	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Dimethylphthalate	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	8-25-10	8-30-10	
3-Nitroaniline	**ND**	1.0	EPA 8270	8-25-10	8-27-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0825W1					
2,4-Dinitrophenol	**ND**	10	EPA 8270	8-25-10	8-27-10	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	8-25-10	8-30-10	
4-Nitrophenol	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Dibenzofuran	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Diethylphthalate	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
4-Nitroaniline	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Fluorene	**ND**	0.10	EPA 8270/SIM	8-25-10	8-30-10	
4,6-Dinitro-2-methylphenol	**ND**	5.0	EPA 8270	8-25-10	8-27-10	
n-Nitrosodiphenylamine	**ND**	10	EPA 8270	8-25-10	8-27-10	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Hexachlorobenzene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Pentachlorophenol	**ND**	5.0	EPA 8270	8-25-10	8-27-10	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	8-25-10	8-30-10	
Anthracene	**ND**	0.10	EPA 8270/SIM	8-25-10	8-30-10	
Carbazole	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Di-n-butylphthalate	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	8-25-10	8-30-10	
Benzidine	**ND**	10	EPA 8270	8-25-10	8-27-10	
Pyrene	**ND**	0.10	EPA 8270/SIM	8-25-10	8-30-10	
Butylbenzylphthalate	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
bis-2-Ethylhexyladipate	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
3,3'-Dichlorobenzidine	**ND**	10	EPA 8270	8-25-10	8-27-10	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	8-25-10	8-30-10	
Chrysene	**ND**	0.010	EPA 8270/SIM	8-25-10	8-30-10	
bis(2-Ethylhexyl)phthalate	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Di-n-octylphthalate	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-25-10	8-30-10	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-25-10	8-30-10	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	8-25-10	8-30-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270/SIM	8-25-10	8-30-10	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	8-25-10	8-30-10	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	8-25-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*57*	*14 - 95*				
Phenol-d6	*42*	*10 - 94*				
Nitrobenzene-d5	*85*	*34 - 118*				
2-Fluorobiphenyl	*83*	*40 - 111*				
2,4,6-Tribromophenol	*90*	*52 - 117*				
Terphenyl-d14	*88*	*57 - 114*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0825W1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**21.9**	**19.1**	40.0	40.0	55	48	24 - 70	14	26	
2-Chlorophenol	**37.0**	**32.6**	40.0	40.0	93	82	36 - 116	13	28	
1,4-Dichlorobenzene	**16.2**	**14.8**	20.0	20.0	81	74	30 - 107	9	31	
n-Nitroso-di-n-propylamine	**17.7**	**15.6**	20.0	20.0	89	78	35 - 114	13	26	
1,2,4-Trichlorobenzene	**16.5**	**14.7**	20.0	20.0	83	74	29 - 108	12	29	
4-Chloro-3-methylphenol	**39.9**	**37.0**	40.0	40.0	100	93	56 - 108	8	17	
Acenaphthene	**17.4**	**16.2**	20.0	20.0	87	81	49 - 104	7	21	
4-Nitrophenol	**22.8**	**21.6**	40.0	40.0	57	54	17 - 86	5	23	
2,4-Dinitrotoluene	**18.7**	**17.6**	20.0	20.0	94	88	52 - 106	6	17	
Pentachlorophenol	**37.7**	**33.9**	40.0	40.0	94	85	45 - 110	11	24	
Pyrene	**17.2**	**16.7**	20.0	20.0	86	84	65 - 103	3	16	
Surrogate:										
2-Fluorophenol					*70*	*61*	*14 - 95*			
Phenol-d6					*52*	*46*	*10 - 94*			
Nitrobenzene-d5					*97*	*87*	*34 - 118*			
2-Fluorobiphenyl					*94*	*86*	*40 - 111*			
2,4,6-Tribromophenol					*99*	*93*	*52 - 117*			
Terphenyl-d14					*94*	*91*	*57 - 114*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-22-7.0-0810**					
Laboratory ID:	08-175-01					
Aroclor 1016	**ND**	0.064	EPA 8082	8-30-10	9-1-10	X
Aroclor 1221	**ND**	0.064	EPA 8082	8-30-10	9-1-10	X
Aroclor 1232	**ND**	0.064	EPA 8082	8-30-10	9-1-10	X
Aroclor 1242	**ND**	0.064	EPA 8082	8-30-10	9-1-10	X
Aroclor 1248	**ND**	0.064	EPA 8082	8-30-10	9-1-10	X
Aroclor 1254	**ND**	0.064	EPA 8082	8-30-10	9-1-10	X
Aroclor 1260	**ND**	0.064	EPA 8082	8-30-10	9-1-10	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*77*	*46-122*				
Client ID:	**KM-22-14.0-0810**					
Laboratory ID:	08-175-02					
Aroclor 1016	**ND**	0.059	EPA 8082	8-30-10	8-31-10	
Aroclor 1221	**ND**	0.059	EPA 8082	8-30-10	8-31-10	
Aroclor 1232	**ND**	0.059	EPA 8082	8-30-10	8-31-10	
Aroclor 1242	**ND**	0.059	EPA 8082	8-30-10	8-31-10	
Aroclor 1248	**ND**	0.059	EPA 8082	8-30-10	8-31-10	
Aroclor 1254	**ND**	0.059	EPA 8082	8-30-10	8-31-10	
Aroclor 1260	**ND**	0.059	EPA 8082	8-30-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*73*	*46-122*				
Client ID:	**KM-24-7.5-0810**					
Laboratory ID:	08-175-04					
Aroclor 1016	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Aroclor 1221	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Aroclor 1232	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Aroclor 1242	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Aroclor 1248	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Aroclor 1254	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Aroclor 1260	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*78*	*46-122*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-24-11-0810**					
Laboratory ID:	08-175-05					
Aroclor 1016	**ND**	0.061	EPA 8082	8-30-10	8-31-10	
Aroclor 1221	**ND**	0.061	EPA 8082	8-30-10	8-31-10	
Aroclor 1232	**ND**	0.061	EPA 8082	8-30-10	8-31-10	
Aroclor 1242	**ND**	0.061	EPA 8082	8-30-10	8-31-10	
Aroclor 1248	**ND**	0.061	EPA 8082	8-30-10	8-31-10	
Aroclor 1254	**ND**	0.061	EPA 8082	8-30-10	8-31-10	
Aroclor 1260	**ND**	0.061	EPA 8082	8-30-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*78*	*46-122*				
Client ID:	**KM-23-9.0-0810**					
Laboratory ID:	08-175-06					
Aroclor 1016	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Aroclor 1221	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Aroclor 1232	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Aroclor 1242	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Aroclor 1248	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Aroclor 1254	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Aroclor 1260	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*80*	*46-122*				
Client ID:	**KM-23-11.0-0810**					
Laboratory ID:	08-175-07					
Aroclor 1016	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Aroclor 1221	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Aroclor 1232	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Aroclor 1242	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Aroclor 1248	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Aroclor 1254	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Aroclor 1260	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*73*	*46-122*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-25-11.0-0810**					
Laboratory ID:	08-175-09					
Aroclor 1016	**ND**	0.056	EPA 8082	8-30-10	8-31-10	
Aroclor 1221	**ND**	0.056	EPA 8082	8-30-10	8-31-10	
Aroclor 1232	**ND**	0.056	EPA 8082	8-30-10	8-31-10	
Aroclor 1242	**ND**	0.056	EPA 8082	8-30-10	8-31-10	
Aroclor 1248	**ND**	0.056	EPA 8082	8-30-10	8-31-10	
Aroclor 1254	**ND**	0.056	EPA 8082	8-30-10	8-31-10	
Aroclor 1260	**ND**	0.056	EPA 8082	8-30-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*82*	*46-122*				
Client ID:	**KM-26-8.5-0810**					
Laboratory ID:	08-175-10					
Aroclor 1016	**ND**	0.052	EPA 8082	8-30-10	8-31-10	
Aroclor 1221	**ND**	0.052	EPA 8082	8-30-10	8-31-10	
Aroclor 1232	**ND**	0.052	EPA 8082	8-30-10	8-31-10	
Aroclor 1242	**ND**	0.052	EPA 8082	8-30-10	8-31-10	
Aroclor 1248	**ND**	0.052	EPA 8082	8-30-10	8-31-10	
Aroclor 1254	**ND**	0.052	EPA 8082	8-30-10	8-31-10	
Aroclor 1260	**ND**	0.052	EPA 8082	8-30-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*83*	*46-122*				
Client ID:	**KM-26-11.5-0810**					
Laboratory ID:	08-175-11					
Aroclor 1016	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Aroclor 1221	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Aroclor 1232	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Aroclor 1242	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Aroclor 1248	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Aroclor 1254	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Aroclor 1260	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*79*	*46-122*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-27-8.5-0810**					
Laboratory ID:	08-175-13					
Aroclor 1016	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Aroclor 1221	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Aroclor 1232	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Aroclor 1242	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Aroclor 1248	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Aroclor 1254	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Aroclor 1260	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*83*	*46-122*				
Client ID:	**KM-27-11.0-0810**					
Laboratory ID:	08-175-14					
Aroclor 1016	**ND**	0.059	EPA 8082	8-30-10	9-1-10	
Aroclor 1221	**ND**	0.059	EPA 8082	8-30-10	9-1-10	
Aroclor 1232	**ND**	0.059	EPA 8082	8-30-10	9-1-10	
Aroclor 1242	**ND**	0.059	EPA 8082	8-30-10	9-1-10	
Aroclor 1248	**ND**	0.059	EPA 8082	8-30-10	9-1-10	
Aroclor 1254	**ND**	0.059	EPA 8082	8-30-10	9-1-10	
Aroclor 1260	**ND**	0.059	EPA 8082	8-30-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*79*	*46-122*				
Client ID:	**KM-28-9.0-0810**					
Laboratory ID:	08-175-15					
Aroclor 1016	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Aroclor 1221	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Aroclor 1232	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Aroclor 1242	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Aroclor 1248	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Aroclor 1254	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Aroclor 1260	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*84*	*46-122*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-28-11.0-0810**					
Laboratory ID:	08-175-16					
Aroclor 1016	**ND**	0.055	EPA 8082	8-30-10	9-1-10	
Aroclor 1221	**ND**	0.055	EPA 8082	8-30-10	9-1-10	
Aroclor 1232	**ND**	0.055	EPA 8082	8-30-10	9-1-10	
Aroclor 1242	**ND**	0.055	EPA 8082	8-30-10	9-1-10	
Aroclor 1248	**ND**	0.055	EPA 8082	8-30-10	9-1-10	
Aroclor 1254	**ND**	0.055	EPA 8082	8-30-10	9-1-10	
Aroclor 1260	**ND**	0.055	EPA 8082	8-30-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*76*	*46-122*				
Client ID:	**KM-29-8.0-0810**					
Laboratory ID:	08-175-18					
Aroclor 1016	**ND**	0.053	EPA 8082	8-30-10	9-1-10	
Aroclor 1221	**ND**	0.053	EPA 8082	8-30-10	9-1-10	
Aroclor 1232	**ND**	0.053	EPA 8082	8-30-10	9-1-10	
Aroclor 1242	**ND**	0.053	EPA 8082	8-30-10	9-1-10	
Aroclor 1248	**ND**	0.053	EPA 8082	8-30-10	9-1-10	
Aroclor 1254	**ND**	0.053	EPA 8082	8-30-10	9-1-10	
Aroclor 1260	**ND**	0.053	EPA 8082	8-30-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*74*	*46-122*				
Client ID:	**KM-29-11.0-0810**					
Laboratory ID:	08-175-19					
Aroclor 1016	**ND**	0.054	EPA 8082	8-30-10	9-1-10	
Aroclor 1221	**ND**	0.054	EPA 8082	8-30-10	9-1-10	
Aroclor 1232	**ND**	0.054	EPA 8082	8-30-10	9-1-10	
Aroclor 1242	**ND**	0.054	EPA 8082	8-30-10	9-1-10	
Aroclor 1248	**ND**	0.054	EPA 8082	8-30-10	9-1-10	
Aroclor 1254	**ND**	0.054	EPA 8082	8-30-10	9-1-10	
Aroclor 1260	**ND**	0.054	EPA 8082	8-30-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*81*	*46-122*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0830S1					
Aroclor 1016	**ND**	0.050	EPA 8082	8-30-10	8-31-10	
Aroclor 1221	**ND**	0.050	EPA 8082	8-30-10	8-31-10	
Aroclor 1232	**ND**	0.050	EPA 8082	8-30-10	8-31-10	
Aroclor 1242	**ND**	0.050	EPA 8082	8-30-10	8-31-10	
Aroclor 1248	**ND**	0.050	EPA 8082	8-30-10	8-31-10	
Aroclor 1254	**ND**	0.050	EPA 8082	8-30-10	8-31-10	
Aroclor 1260	**ND**	0.050	EPA 8082	8-30-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*80*	*46-122*				
Laboratory ID:	MB0830S1					
Aroclor 1016	**ND**	0.050	EPA 8082	8-30-10	9-1-10	X
Aroclor 1221	**ND**	0.050	EPA 8082	8-30-10	9-1-10	X
Aroclor 1232	**ND**	0.050	EPA 8082	8-30-10	9-1-10	X
Aroclor 1242	**ND**	0.050	EPA 8082	8-30-10	9-1-10	X
Aroclor 1248	**ND**	0.050	EPA 8082	8-30-10	9-1-10	X
Aroclor 1254	**ND**	0.050	EPA 8082	8-30-10	9-1-10	X
Aroclor 1260	**ND**	0.050	EPA 8082	8-30-10	9-1-10	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*88*	*46-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	08-175-10										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.410**	**0.440**	0.500	0.500	ND	**82**	**88**	36-121	7	15	
Surrogate:											
DCB						*77*	*79*	*46-122*			

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	08-175-01					
Client ID:	**KM-22-7.0-0810**					
Arsenic	**ND**	13	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.64	6010B	8-31-10	8-31-10	
Chromium	**21**	0.64	6010B	8-31-10	8-31-10	
Copper	**86**	1.3	6010B	8-31-10	8-31-10	
Lead	**190**	6.4	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.32	7471A	8-30-10	8-30-10	
Nickel	**31**	3.2	6010B	8-31-10	8-31-10	
Zinc	**110**	3.2	6010B	8-31-10	8-31-10	
Lab ID:	08-175-02					
Client ID:	**KM-22-14.0-0810**					
Arsenic	**ND**	12	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.59	6010B	8-31-10	8-31-10	
Chromium	**8.1**	0.59	6010B	8-31-10	8-31-10	
Copper	**8.8**	1.2	6010B	8-31-10	8-31-10	
Lead	**ND**	5.9	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.29	7471A	8-30-10	8-30-10	
Nickel	**6.9**	2.9	6010B	8-31-10	8-31-10	
Zinc	**18**	2.9	6010B	8-31-10	8-31-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	08-175-04					
Client ID:	**KM-24-7.5-0810**					
Arsenic	**ND**	11	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.55	6010B	8-31-10	8-31-10	
Chromium	**8.3**	0.55	6010B	8-31-10	8-31-10	
Copper	**10**	1.1	6010B	8-31-10	8-31-10	
Lead	**9.6**	5.5	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.27	7471A	8-30-10	8-30-10	
Nickel	**8.9**	2.7	6010B	8-31-10	8-31-10	
Zinc	**29**	2.7	6010B	8-31-10	8-31-10	
Lab ID:	08-175-05					
Client ID:	**KM-24-11-0810**					
Arsenic	**ND**	12	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.61	6010B	8-31-10	8-31-10	
Chromium	**8.2**	0.61	6010B	8-31-10	8-31-10	
Copper	**8.1**	1.2	6010B	8-31-10	8-31-10	
Lead	**ND**	6.1	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.30	7471A	8-30-10	8-30-10	
Nickel	**6.7**	3.0	6010B	8-31-10	8-31-10	
Zinc	**18**	3.0	6010B	8-31-10	8-31-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	08-175-06					
Client ID:	**KM-23-9.0-0810**					
Arsenic	**ND**	11	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.53	6010B	8-31-10	8-31-10	
Chromium	**8.6**	0.53	6010B	8-31-10	8-31-10	
Copper	**23**	1.1	6010B	8-31-10	8-31-10	
Lead	**20**	5.3	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.26	7471A	8-30-10	8-30-10	
Nickel	**9.2**	2.6	6010B	8-31-10	8-31-10	
Zinc	**36**	2.6	6010B	8-31-10	8-31-10	
Lab ID:	08-175-07					
Client ID:	**KM-23-11.0-0810**					
Arsenic	**ND**	12	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.58	6010B	8-31-10	8-31-10	
Chromium	**6.5**	0.58	6010B	8-31-10	8-31-10	
Copper	**9.6**	1.2	6010B	8-31-10	8-31-10	
Lead	**ND**	5.8	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.29	7471A	8-30-10	8-30-10	
Nickel	**7.0**	2.9	6010B	8-31-10	8-31-10	
Zinc	**17**	2.9	6010B	8-31-10	8-31-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
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Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	08-175-09					
Client ID:	**KM-25-11.0-0810**					
Arsenic	**ND**	11	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.56	6010B	8-31-10	8-31-10	
Chromium	**31**	0.56	6010B	8-31-10	8-31-10	
Copper	**24**	1.1	6010B	8-31-10	8-31-10	
Lead	**32**	5.6	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.28	7471A	8-30-10	8-30-10	
Nickel	**14**	2.8	6010B	8-31-10	8-31-10	
Zinc	**34**	2.8	6010B	8-31-10	8-31-10	
Lab ID:	08-175-10					
Client ID:	**KM-26-8.5-0810**					
Arsenic	**ND**	10	6010B	8-31-10	8-31-10	
Cadmium	**1.9**	0.52	6010B	8-31-10	8-31-10	
Chromium	**7.3**	0.52	6010B	8-31-10	8-31-10	
Copper	**8.1**	1.0	6010B	8-31-10	8-31-10	
Lead	**ND**	5.2	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.26	7471A	8-30-10	8-30-10	
Nickel	**8.1**	2.6	6010B	8-31-10	8-31-10	
Zinc	**23**	2.6	6010B	8-31-10	8-31-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	08-175-11					
Client ID:	**KM-26-11.5-0810**					
Arsenic	**ND**	12	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.58	6010B	8-31-10	8-31-10	
Chromium	**5.8**	0.58	6010B	8-31-10	8-31-10	
Copper	**8.9**	1.2	6010B	8-31-10	8-31-10	
Lead	**ND**	5.8	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.29	7471A	8-30-10	8-30-10	
Nickel	**5.8**	2.9	6010B	8-31-10	8-31-10	
Zinc	**14**	2.9	6010B	8-31-10	8-31-10	
Lab ID:	08-175-13					
Client ID:	**KM-27-8.5-0810**					
Arsenic	**ND**	11	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.53	6010B	8-31-10	8-31-10	
Chromium	**7.2**	0.53	6010B	8-31-10	8-31-10	
Copper	**8.8**	1.1	6010B	8-31-10	8-31-10	
Lead	**ND**	5.3	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.26	7471A	8-30-10	8-30-10	
Nickel	**7.0**	2.6	6010B	8-31-10	8-31-10	
Zinc	**14**	2.6	6010B	8-31-10	8-31-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	08-175-14					
Client ID:	**KM-27-11.0-0810**					
Arsenic	**ND**	12	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.59	6010B	8-31-10	8-31-10	
Chromium	**6.5**	0.59	6010B	8-31-10	8-31-10	
Copper	**9.3**	1.2	6010B	8-31-10	8-31-10	
Lead	**ND**	5.9	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.30	7471A	8-30-10	8-30-10	
Nickel	**6.4**	3.0	6010B	8-31-10	8-31-10	
Zinc	**15**	3.0	6010B	8-31-10	8-31-10	
Lab ID:	08-175-15					
Client ID:	**KM-28-9.0-0810**					
Arsenic	**ND**	11	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.55	6010B	8-31-10	8-31-10	
Chromium	**6.8**	0.55	6010B	8-31-10	8-31-10	
Copper	**8.8**	1.1	6010B	8-31-10	8-31-10	
Lead	**ND**	5.5	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.27	7471A	8-30-10	8-30-10	
Nickel	**7.6**	2.7	6010B	8-31-10	8-31-10	
Zinc	**40**	2.7	6010B	8-31-10	8-31-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
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Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	08-175-16					
Client ID:	**KM-28-11.0-0810**					
Arsenic	**ND**	11	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.55	6010B	8-31-10	8-31-10	
Chromium	**6.0**	0.55	6010B	8-31-10	8-31-10	
Copper	**8.4**	1.1	6010B	8-31-10	8-31-10	
Lead	**ND**	5.5	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.27	7471A	8-30-10	8-30-10	
Nickel	**6.2**	2.7	6010B	8-31-10	8-31-10	
Zinc	**17**	2.7	6010B	8-31-10	8-31-10	
Lab ID:	08-175-18					
Client ID:	**KM-29-8.0-0810**					
Arsenic	**ND**	11	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.53	6010B	8-31-10	8-31-10	
Chromium	**7.0**	0.53	6010B	8-31-10	8-31-10	
Copper	**8.9**	1.1	6010B	8-31-10	8-31-10	
Lead	**ND**	5.3	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.27	7471A	8-30-10	8-30-10	
Nickel	**8.0**	2.7	6010B	8-31-10	8-31-10	
Zinc	**15**	2.7	6010B	8-31-10	8-31-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	08-175-19					
Client ID:	**KM-29-11.0-0810**					
Arsenic	**ND**	11	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.54	6010B	8-31-10	8-31-10	
Chromium	**7.3**	0.54	6010B	8-31-10	8-31-10	
Copper	**8.1**	1.1	6010B	8-31-10	8-31-10	
Lead	**ND**	5.4	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.27	7471A	8-30-10	8-30-10	
Nickel	**7.6**	2.7	6010B	8-31-10	8-31-10	
Zinc	**14**	2.7	6010B	8-31-10	8-31-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-30&31-10
Date Analyzed:	8-30&31-10
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0830S4&MB0831S5

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Copper	6010B	**ND**	1.0
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Nickel	6010B	**ND**	2.5
Zinc	6010B	**ND**	2.5

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 8-30&31-10
Date Analyzed: 8-30&31-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-175-19

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**6.83**	**5.69**	18	0.50	
Copper	**7.50**	**7.50**	NA	1.0	
Lead	**ND**	**ND**	NA	5.0	
Mercury	**ND**	**ND**	NA	0.25	
Nickel	**7.10**	**6.90**	3	2.5	
Zinc	**12.8**	**13.1**	2	2.5	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 8-30&31-10
Date Analyzed: 8-30&31-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-175-19

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**92.5**	92	**91.1**	91	2	
Cadmium	50	**44.8**	90	**44.8**	90	0	
Chromium	100	**101**	94	**101**	94	0	
Copper	50	**56.9**	99	**56.2**	97	1	
Lead	250	**235**	94	**233**	93	1	
Mercury	0.50	**0.492**	98	**0.480**	96	3	
Nickel	100	**101**	94	**101**	94	0	
Zinc	100	**106**	93	**105**	93	0	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 200.8/7470A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	08-175-03					
Client ID:	**KM-22-16.0-0810**					
Arsenic	**17**	3.3	200.8	8-27-10	8-27-10	
Cadmium	**ND**	4.4	200.8	8-27-10	8-27-10	
Chromium	**ND**	11	200.8	8-27-10	8-27-10	
Copper	**25**	11	200.8	8-27-10	8-27-10	
Lead	**4.5**	1.1	200.8	8-27-10	8-27-10	
Mercury	**ND**	0.50	7470A	8-27-10	8-27-10	
Nickel	**ND**	22	200.8	8-27-10	8-27-10	
Zinc	**ND**	28	200.8	8-27-10	8-27-10	
Lab ID:	08-175-12					
Client ID:	**KM-25-16.0-0810**					
Arsenic	**13**	3.3	200.8	8-27-10	8-27-10	
Cadmium	**ND**	4.4	200.8	8-27-10	8-27-10	
Chromium	**28**	11	200.8	8-27-10	8-27-10	
Copper	**34**	11	200.8	8-27-10	8-27-10	
Lead	**19**	1.1	200.8	8-27-10	8-27-10	
Mercury	**ND**	0.50	7470A	8-27-10	8-27-10	
Nickel	**20**	22	200.8	8-27-10	8-27-10	
Zinc	**55**	28	200.8	8-27-10	8-27-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 200.8/7470A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	08-175-17					
Client ID:	**KM-27-16.0-0810**					
Arsenic	**ND**	3.3	200.8	8-27-10	8-27-10	
Cadmium	**ND**	4.4	200.8	8-27-10	8-27-10	
Chromium	**ND**	11	200.8	8-27-10	8-27-10	
Copper	**ND**	11	200.8	8-27-10	8-27-10	
Lead	**ND**	1.1	200.8	8-27-10	8-27-10	
Mercury	**ND**	0.50	7470A	8-27-10	8-27-10	
Nickel	**ND**	22	200.8	8-27-10	8-27-10	
Zinc	**ND**	28	200.8	8-27-10	8-27-10	
Lab ID:	08-175-20					
Client ID:	**KM-29-16.0-0810**					
Arsenic	**8.6**	3.3	200.8	8-27-10	8-27-10	
Cadmium	**ND**	4.4	200.8	8-27-10	8-27-10	
Chromium	**ND**	11	200.8	8-27-10	8-27-10	
Copper	**ND**	11	200.8	8-27-10	8-27-10	
Lead	**1.6**	1.1	200.8	8-27-10	8-27-10	
Mercury	**ND**	0.50	7470A	8-27-10	8-27-10	
Nickel	**ND**	22	200.8	8-27-10	8-27-10	
Zinc	**ND**	28	200.8	8-27-10	8-27-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-27-10
Date Analyzed:	8-27-10
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0827W2

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Copper	200.8	**ND**	11
Lead	200.8	**ND**	1.1
Nickel	200.8	**ND**	28
Zinc	200.8	**ND**	28

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 7470A
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-27-10
Date Analyzed:	8-27-10
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0827W1

Analyte	Method	Result	PQL
Mercury	7470A	**ND**	0.50

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-213-03

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**4.34**	**4.49**	4	3.3	
Cadmium	**ND**	**ND**	NA	4.4	
Chromium	**ND**	**ND**	NA	11	
Copper	**24.2**	**24.6**	2	11	
Lead	**ND**	**ND**	NA	1.1	
Nickel	**ND**	**ND**	NA	28	
Zinc	**32.2**	**29.6**	8	28	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 7470A
DUPLICATE QUALITY CONTROL

Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-205-03

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Mercury	**ND**	**ND**	NA	0.50	

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 200.8
MS/MSD QUALITY CONTROL

Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-213-03

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	110	**119**	104	**123**	108	4	
Cadmium	110	**110**	100	**115**	104	4	
Chromium	110	**108**	99	**113**	103	4	
Copper	110	**132**	98	**136**	101	3	
Lead	110	**107**	98	**110**	100	2	
Nickel	110	**112**	102	**118**	107	5	
Zinc	110	**139**	97	**142**	99	2	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 7470A
MS/MSD QUALITY CONTROL

Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-205-03

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Mercury	12.5	**12.4**	99	**12.6**	101	2	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

% MOISTURE

Date Analyzed: 8-25-10

Client ID	Lab ID	% Moisture
KM-22-7.0-0810	08-175-01	22
KM-22-14.0-0810	08-175-02	15
KM-24-7.5-0810	08-175-04	9
KM-24-11-0810	08-175-05	18
KM-23-9.0-0810	08-175-06	5
KM-23-11.0-0810	08-175-07	13
KM-25-11.0-0810	08-175-09	11
KM-26-8.5-0810	08-175-10	4
KM-26-11.5-0810	08-175-11	14
KM-27-8.5-0810	08-175-13	6
KM-27-11.0-0810	08-175-14	16
KM-28-9.0-0810	08-175-15	9
KM-28-11.0-0810	08-175-16	9
KM-29-8.0-0810	08-175-18	6
KM-29-11.0-0810	08-175-19	7

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z - The sample chromatogram is similar to mineral spirits with gas.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Amec Geomatrix
Project Number: 14697
Project Name: KellyMoore S. Warehouse
Project Manager: Tasya Gray
Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Day ☐ 3 Day
- ☒ Standard (7 working days)
  (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 08-175

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	Total Metals (W/HNO3) EPA 200.8/7470A	HOLD	% Moisture
1	KM-22-7.0-0810	8/23/10	940	S	6		X	X			X		X						X		X
2	KM-22-14.0-0810		945	S	6		X	X			X		X						X		↓
3	KM-22-16.0-0810		1115	W	6		X	X			X								X		
4	KM-24-7.5-0810		1140	S	6		X	X			X		X						X		X
5	KM-24-11-0810		1145	S	6		X	X			X		X						X		↓
6	KM-23-9.0-0810		1215	S	6		X	X			X		X						X		
7	KM-23-11.0-0810		1220	S	6		X	X			X		X						X		
8	KM-23-16.0-0810		1320	W	6		X	X			X								X	X	
9	KM-25-11.0-0810		1410	S	6		X	X			X		X						X		X
10	KM-26-8.5-0810	↓	1440	S	6		X	X			X		X						X		↓

	Signature	Company	Date	Time
Relinquished by	Chris Brown	Amec	8/24/10	1300
Received by	Michael Hunter	Speedy	8-24-10	1255
Relinquished by	Michael Hunter	Speedy	8-24-10	1635
Received by		OSE	8/24/10	1635
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions: Metals: As, Cd, Cu, Cr, Pb, Ni, Hg, Zn

Chromatograms with final report ☐

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Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC Geomatrix
Project Number: 14697
Project Name: Kelly Moore
Project Manager: Tasya Gray
Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Day ☐ 3 Day
- ☒ Standard (7 working days)
  (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 08-175

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX ecy	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	Total Metals (w/HNO3) EPA 200.8/7470A	% Moisture
11	KM-26-11.5-0810	8/23/10	1445	S	6		X	X	X		X		X						X	X
12	KM-25-16.0-0810	↓	1530	W	6		X	X	X		X		X						X	
13	KM-27-8.5-0810	8/24/10	830	S	6		X	X	X		X		X						X	X
14	KM-27-11.0-0810		840	S	6		X	X	X		X		X						X	↓
15	KM-28-9.0-0810		910	S	6		X	X	X		X		X						X	
16	KM-28-11.0-0810		915	S	6		X	X	X		X		X						X	↓
17	KM-27-16.0-0810		945	W	8		X	X	X		X		X						X	
18	KM-29-8.0-0810		1030	S	6		X	X	X		X		X						X	X
19	KM-29-11.0-0810		1045	S	6		X	X	X		X		X						X	↓
20	KM-29-16.0-0810	↓	1130	W	8		X	X	X		X		X						X	

	Signature	Company	Date	Time
Relinquished by		Amec	8/24/10	1300
Received by		Speedy	8-24-10	1255
Relinquished by		Speedy	8-24-10	1635
Received by		OSE	8/24/10	1635
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions: Metals: As, Cd, Cu, Cr, Pb, Ni, Hg, Zn

Chromatograms with final report ☐

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Chain of Custody

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14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Amec Geomatrix
Project Number: 14697
Project Name: Kelly Moore S. Warehouse
Project Manager: Tasya Gray
Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Day ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 08-175

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	Hold % Moisture
21	KM-D1-0810	8/24/10	1135	S	2														X
22	KM-D2-0810	↓	1140	W	1														X
23	Trip blank	—	—	W	4				X										

	Signature	Company	Date	Time
Relinquished by		Amec	8/24/10	1300
Received by		Speedy	8-24-10	1255
Relinquished by		Speedy	8-24-10	1635
Received by		OSE	8/24/10	1635
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions

Chromatograms with final report ☐

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Memo

To:	Natasya Gray	Project:	0146970040.00001
From:	Crystal Neirby	cc:	Project File
Date:	May 10, 2011		

Subject: Kelly Moore Paints – Soil and Groundwater Sampling – March 2011 Summary Data Quality Review – SDGs 1103-178, 1103-194, 1103-202, 1103-217, 1103-229, and 1103-260

This memorandum presents a summary data quality review for analyses of 15 primary groundwater samples, two groundwater field duplicates, 27 primary soil samples, one soil field duplicate, one rinsate blank, and four trip blanks collected March 18 through 28, 2011. The samples were submitted to OnSite Environmental Inc. (OnSite), a laboratory located in Redmond Washington, and accredited by the Washington State Department of Ecology (Ecology). The soil and groundwater samples were analyzed for the following analytes:

- Total petroleum hydrocarbons (TPH) as gasoline by Ecology Method NWTPH-G;
- Benzene, ethylbenzene, toluene, and xylenes (BTEX) by EPA Method 8021;
- Volatile organic compounds (VOCs) by EPA Method 8260B;
- Polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270 with selective ion monitoring (SIM);
- Total metals (arsenic, chromium, and lead) by EPA Method 200.8 (water samples only); and
- Polychlorinated biphenyls (PCBs) by EPA Method 8082.

The samples collected, the laboratory sample ID, and matrix as well as a summary of qualifiers added to the results from this data quality review are presented in Table 1 (attached).

The analytical results for these samples were reviewed in accordance with the requirements specified in USEPA National Functional Guidelines (EPA, 2010 and 2008), the analytical methods referenced by the laboratory, AMEC data review procedures, the quality assurance project plan (AMEC, 2010), and the laboratory quality control limits. The EPA guidelines referenced above were written specifically for the Contract Laboratory Program, and have been modified for the purposes of this data quality review where they differ from EPA SW-846 method requirements.

The certified laboratory reports were reviewed to assess the following: chain of custody compliance; holding time compliance; presence or absence of laboratory contamination as demonstrated by method and trip blanks; blank spike samples (BS) and blank spike duplicates (BSD), and matrix spike (MS) and matrix spike duplicate (MSD) samples; analytical precision as the relative percent (%) difference between replicate sample results (i.e., laboratory and field

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duplicates) or MS and MSD samples. This data quality review did not include validation of the raw analytical data.

Samples were submitted to OnSite either the day of collection, or the day after collection. The cooler temperatures were recorded upon receipt and were below the maximum acceptable temperature of 6°C. The following was noted by the laboratory upon receipt.

SDG 1103-194: Sample KM-36-0311-6 was labeled KM-36-0311-6.5 on the chain-of-custody (COC). Sample KM-37-0311-2 was labeled differently on the jars as well. After confirmation with AMEC the laboratory labeled the samples according the COC and proceeded with analysis.

SDG 1103-217: Sample KM-30-0311-S was mislabeled on one VOC vial. After confirmation with AMEC, the laboratory labeled the sample according to the COC and proceeded with analysis.

Soil samples analyzed for TPH as gasoline, BTEX, and VOCs were collected according to EPA Method 5035A. As indicated by the laboratory, the samples were submitted in preweighed 40-milliliter (mL) vials within 48 hours of collection and stored frozen until extraction or analysis.

Samples were analyzed for the methods identified in the introduction to this report and were evaluated for the following criteria.

1. Holding Times – Acceptable
2. Blanks – Acceptable except as noted:

   A trip blank was not submitted with soil samples associated with SDGs 1103-178 and 1103-194 and analyzed for TPH gasoline, BTEX, or VOCs as stated in the method and in the project QAPP. The sample results were not qualified. The remaining trip blanks were free of contamination with the following exceptions.

   VOCs by EPA 8260B: Chloroform, bromodichloromethane, and dibromochloromethane were detected in the trip blanks associated with SDGs 1103-202 and 1103-217 at concentrations ranging from of 0.21 to 0.97 µg/L and methylene chloride was detected in the trip blanks associated with SDGs 1103-229 and 1103-260 at a concentrations of 4.6 and 4.5 µg/L, respectively. The affected analytes were not detected in the associated samples; therefore, results are not affected and are not qualified.

   One rinsate blank was submitted with samples collected on March 24, 2011 and was analyzed for PCBs. The rinsate blank was free of contamination.
3. BS/BSD – Acceptable

   The laboratory did not report blank spike results if acceptable MS/MSD or laboratory duplicate results were reported, following its standard operating procedure. The BS results that were provided by the laboratory were within the laboratory control limits.

4. MS/MSD – Acceptable

   Extra volume was submitted with sample KM-39-0311-W associated with SDG 1103-229 for MS/MSD analysis. However, the laboratory did not perform MS/MSD analyses for VOCs, PAHs, or PCBs with this sample. The laboratory stated in the case narrative that the necessary dilution required for PAH analysis prevented them from reporting the MS/MSD results. An explanation was not provided for the remaining analyses.

   MS/MSD results performed with project samples and provided by the laboratory were within laboratory control limits.

5. Surrogates – Acceptable except as noted:

   Water PAHs by EPA 8270D-SIM: the recovery for surrogate 2-fluorobiphenyl in sample KM-37-0311-W was 37 percent, less than the control limits of 38 to 105 percent. Following the laboratory SOP, the sample was not reanalyzed. The results are qualified as estimated due to the possible low analytical bias, with detections flagged with a "J" and non-detects flagged with a "UJ".

   Water VOCs by EPA 8260B: the recovery for surrogate 4-bromofluorobenzene in samples KM-41-0311-W and KM-41-0311-W-D was 108 percent, greater than the control limits of 65 to 104 percent. The samples were not reanalyzed, following the laboratory SOP. The detected compounds in the sample were qualified as estimated due to the possible high analytical bias and flagged with a "J".

   Soil TPH-G by NWTPH-G: the surrogate, fluorobenzene, was not recovered in samples KM-30-0311-5 and KM-41-0311-4.5 due to the dilutions required to quantitate high analyte concentrations. The sample results are not qualified due to the necessary high dilutions.

   Soil PCBs by EPA 8082: the surrogate, decachlorobiphenyl, was not recovered in samples KM-41-0311-3 and KM-41-0311-4.5 due to the dilutions required to quantitate high analyte concentrations. The sample results are not qualified due to the necessary high dilutions.

   Soil PAHs by EPA 8270D-SIM: the recovery for surrogate 2-fluorobiphenyl in sample KM-41-0311-3 was 37 percent, less than the control limits of 43 to 109 percent. The sample was not analyzed, following the laboratory SOP. The results are qualified as estimated due to the possible low analytical bias, with detections flagged with a "J" and non-detects flagged with a "UJ".

6. Laboratory Duplicates – Acceptable

   Two groundwater field duplicates were collected during this sampling event, meeting the project frequency requirement of one duplicate for every 20 samples. Primary and duplicate results are summarized in the table below. The relative percent difference (RPD) is not calculated if the primary and duplicate results are not greater than five times the reporting limit, as indicated on the table below with "NC". The

field duplicate RPDs are within the project-specific control limit of 30 percent (50 percent for soils) for concentrations greater than five times the reporting limit, or ± the reporting limit for sample concentrations less than five times the reporting limit, with one exception. The difference in the naphthalene results for primary and duplicate pair KM-41-0311-W and KM-41-0311-W-D is greater than the value of the reporting limit. The naphthalene results in samples KM-41-0311-W and KM-41-0311-W-D are qualified as estimated and flagged with a “J”.

Sample ID/ Field Duplicate ID	Analyte	Primary Result (µg/L)	Duplicate Result (µg/L)	RL (µg/L)	RPD (%)
KMW-03-0311/KM-03-0311-D	benzene	8.1	8.4	1.0	4
	ethylbenzene	3100	2700	2.0	14
	m,p-xylene	18	18	2.0	0
	TPH-G	7700	7000	2.0	10
KM-39-0311-2.5/KM-39-0311-2.5-D	benzene	0.53	0.47	0.063	12
	toluene	4.8	4.9	0.31	2
	ethylbenzene	26	20	0.31	26
	m,p-xylene	49	42	1.3	15
	TPH-G	4800	4900	130	2
	naphthalene	5.6	5.8	0.36	4
	2-methylnaphthalene	10	11	0.36	10
	1-methylnaphthalene	6.7	7.1	0.36	6
	acenaphthene	2.7	2.6	0.36	4
	fluorene	1.8	1.9	0.36	5
	phenanthrene	4.0	4.2	0.36	5
	anthracene	0.72	0.77	0.36	7
	fluoranthene	1.9	2.2	0.36	15
	pyrene	1.7	2.0	0.36	16
	benzo(a)anthracene	0.56	0.56	0.36	NC
	chrysene	0.77	0.76	0.36	NC
	benzo(b)anthracene	0.47	0.45	0.36	NC
	benzo(k)anthracene	0.40	ND	0.36	NC
	benzo(a)pyrene	0.40	0.42	0.36	NC
	aroclor 1260	0.15	0.19	0.055	NC

Sample ID/ Field Duplicate ID	Analyte	Primary Result (µg/L)	Duplicate Result (µg/L)	RL (µg/L)	RPD (%)
KM-41-0311-W/KM-41-0311-W-D	TPH-G	4400	5700	400	26
	benzene	23	23	0.40	0
	toluene	2.4	2.5	2.0	4
	ethylbenzene	9.6	9.9	0.40	3
	m,p-xylene	26	27	0.80	4
	o-xylene	9.1	9.2	0.40	1
	isopropylbenzene	24	24	0.40	0
	n-propylbenzene	30	30	0.40	0
	1,3,5-trimethylbenzene	1.3	1.3	0.40	0
	tert-butylbenzene	0.57	0.57	0.40	NC
	1,2,4-trimethylbenzene	6.0	6.1	0.40	2
	sec-butylbenzene	4.4	4.3	0.40	2
	p-isopropyltoluene	0.52	0.51	0.40	NC
	n-butylbenzene	4.8	5.0	0.40	4
	naphthalene	92	97	2.0	5
	naphthalene	27	42	9.5	**NC**
	2-methylnaphthalene	22	29	9.5	NC
	1-methylnaphthalene	18	23	9.5	NC
	arsenic	11	11	3.3	NC
	lead	60	66	1.1	10

Notes: NC = Not Calculated
Bolded values exceed the RPD criteria.

7. Reporting Limits and Laboratory Flags – Acceptable except as noted:

OVERALL ASSESSMENT OF DATA

The OnSite SDGs 1103-178, 1103-194, 1103-202, 1103-217, 1103-229, and 1103-260 is 100 percent complete. The data usability is based on EPA's guidance documents. Few problems were identified, and the analytical performance was generally within specified limits. The data are acceptable and meet the project's data quality objectives.

REFERENCES

EPA, 2008, U.S. EPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review: EPA 540-R-08-001, June.

EPA, 2010, U.S. EPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review: EPA 540-R-10-011, January.

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample ID	Laboratory Sample ID/Matrix	Qualified Analyte	Qualified Result	Units	Qualifier Reason
KMW-04-0311-2	1103-178-1 soil	none			
KMW-04-0311-4.5	1103-178-2 soil	none			
KMW-02-0311-5	1103-178-3 soil	none			
KM-34-0311-2	1103-194-1 soil	none			
KM-34-0311-4	1103-194-2 soil	none			
KM-34-0311-W	1103-194-3 water	none			
KM-40-0311-2	1103-194-4 soil	none			
KM-40-0311-4.5	1103-194-5 soil	none			
KM-36-0311-2	1103-194-6 soil	none			
KM-36-0311-6	1103-194-7 soil	none			
KM-36-0311-W	1103-194-8 water	none			
KM-37-0311-2	1103-194-9 soil	none			
KM-37-0311-5	1103-194-10 soil	none			
KM-37-0311-W	1103-194-11 water	all PAHs	J or UJ	µg/L	surrogate recovery
KM-35-0311-2	1103-202-1 soil	none			
KM-35-0311-6.5	1103-202-2 soil	none			
KM-35-0311-W	1103-202-3 water	none			
KM-33-0311-4	1103-202-4 soil	none			
KM-33-0311-W	1103-202-5 water	none			
KM-31-0311-3	1103-202-6 soil	none			
KM-31-0311-W	1103-202-7 water	none			
KM-32-0311-3	1103-202-8 soil	none			
KM-32-0311-W	1103-202-9 water	none			
TB-032211-W	1103-202-10 trip blank	none			
TB-032311	1103-217-1 trip blank	none			
KM-30-0311-2	1103-217-2 soil	none			
KM-30-0311-5	1103-217-3 soil	none			
KM-30-0311-W	1103-217-4 water	none			
KM-38-0311-2	1103-217-5 soil	none			
KM-38-0311-5	1103-217-6 soil	none			
KM-43-0311-2	1103-217-7 soil	none			
KM-39-0311-2.5	1103-229-1 soil	none			
KM-39-0311-2.5-D	1103-229-2 soil	none			
KM-39-0311-5	1103-229-3 soil	none			
KM-39-0311-W	1103-229-4 water	none			

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample ID	Laboratory Sample ID/Matrix	Qualified Analyte	Qualified Result	Units	Qualifier Reason
KM-0311-Rinsate	1103-229-5 rinsate blank	none			
KM-41-0311-3	1103-229-6 soil	all PAHs	J or UJ	µg/kg	surrogate recovery
KM-41-0311-4.5	1103-229-7 soil	none			
KM-41-0311-W	1103-229-8 water	benzene	23 J	µg/L	surrogate
		toluene	2.4 J	"	recovery
		ethylbenzene	9.6 J	"	"
		m,p-xylene	26 J	"	"
		o-xylene	9.1 J	"	"
		isopropylbenzene	24 J	"	"
		n-propylbenzene	30 J	"	"
		1,3,5-trimethylbenzene	1.3 J	"	"
		tert-butylbenzene	0.57 J	"	"
		1,2,4-trimethylbenzene	6.0 J	"	"
		sec-butylbenzene	4.4 J	"	"
		p-isopropyltoluene	0.52 J	"	"
		n-butylbenzene	4.8 J	"	"
		naphthalene	92 J	"	"
		naphthalene	27 J	"	field dup. RPD
KM-41-0311-W-D	1103-229-9 water	benzene	23 J	µg/L	surrogate
		toluene	2.5 J	"	recovery
		ethylbenzene	9.9 J	"	"
		m,p-xylene	27 J	"	"
		o-xylene	9.2 J	"	"
		isopropylbenzene	24 J	"	"
		n-propylbenzene	30 J	"	"
		1,3,5-trimethylbenzene	1.3 J	"	"
		tert-butylbenzene	0.57 J	"	"
		1,2,4-trimethylbenzene	6.1 J	"	"
		sec-butylbenzene	4.3 J	"	"
		p-isopropyltoluene	0.51 J	"	"
		n-butylbenzene	5.0 J	"	"
		naphthalene	97 J	"	"
		naphthalene	42 J	"	field dup. RPD
KM-42-0311-2	1103-229-10 soil	none			
KM-42-0311-5	1103-229-11 soil	none			
TB-032411	1103-229-12 trip blank	none			
TB-032811	1103-260-1 trip blank	none			
KMW-05-0311	1103-260-2 water	none			

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample ID	Laboratory Sample ID/Matrix	Qualified Analyte	Qualified Result	Units	Qualifier Reason
KMW-03-0311	1103-260-3 water	none			
KMW-03-0311-D	1103-260-4 water	none			
KMW-02-0311	1103-260-5 water	none			
KMW-01-0311	1103-260-6 water	none			
KMW-04-0311	1103-260-7 water	none			

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 25, 2011

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 014697-0030
Laboratory Reference No. 1103-178

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 18, 2011.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 25, 2011
Samples Submitted: March 18, 2011
Laboratory Reference: 1103-178
Project: 014697-0030

Case Narrative

Samples were collected on March 17 and 18, 2011 and received by the laboratory on March 18, 2011. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 25, 2011
Samples Submitted: March 18, 2011
Laboratory Reference: 1103-178
Project: 014697-0030

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-04-0311-2**					
Laboratory ID:	03-178-01					
Benzene	**ND**	0.020	EPA 8021	3-23-11	3-23-11	
Toluene	**0.079**	0.053	EPA 8021	3-23-11	3-23-11	
Ethyl Benzene	**1.2**	0.053	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**0.65**	0.053	EPA 8021	3-23-11	3-23-11	
o-Xylene	**0.085**	0.053	EPA 8021	3-23-11	3-23-11	
Gasoline	**27**	5.3	NWTPH-Gx	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*96*	*68-124*				
Client ID:	**KMW-04-0311-4.5**					
Laboratory ID:	03-178-02					
Benzene	**ND**	0.020	EPA 8021	3-23-11	3-23-11	
Toluene	**ND**	0.053	EPA 8021	3-23-11	3-23-11	
Ethyl Benzene	**ND**	0.053	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**ND**	0.053	EPA 8021	3-23-11	3-23-11	
o-Xylene	**ND**	0.053	EPA 8021	3-23-11	3-23-11	
Gasoline	**ND**	5.3	NWTPH-Gx	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*90*	*68-124*				

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Date of Report: March 25, 2011
Samples Submitted: March 18, 2011
Laboratory Reference: 1103-178
Project: 014697-0030

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0323S1					
Benzene	**ND**	0.020	EPA 8021	3-23-11	3-23-11	
Toluene	**ND**	0.050	EPA 8021	3-23-11	3-23-11	
Ethyl Benzene	**ND**	0.050	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**ND**	0.050	EPA 8021	3-23-11	3-23-11	
o-Xylene	**ND**	0.050	EPA 8021	3-23-11	3-23-11	
Gasoline	**ND**	5.0	NWTPH-Gx	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*68-124*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-202-06										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*94*	*97*	*68-124*			
SPIKE BLANKS											
Laboratory ID:	SB0323S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.966**	**0.950**	1.00	1.00		**97**	**95**	77-114	2	9	
Toluene	**1.02**	**1.01**	1.00	1.00		**102**	**101**	80-115	1	9	
Ethyl Benzene	**1.05**	**1.04**	1.00	1.00		**105**	**104**	80-118	1	9	
m,p-Xylene	**1.01**	**1.01**	1.00	1.00		**101**	**101**	82-118	0	9	
o-Xylene	**1.00**	**1.01**	1.00	1.00		**100**	**101**	82-116	1	9	
Surrogate:											
Fluorobenzene						*94*	*93*	*68-124*			

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 25, 2011
Samples Submitted: March 18, 2011
Laboratory Reference: 1103-178
Project: 014697-0030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-04-0311-2**					
Laboratory ID:	03-178-01					
Naphthalene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
2-Methylnaphthalene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
1-Methylnaphthalene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthylene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Fluorene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Phenanthrene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Anthracene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Fluoranthene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Pyrene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]anthracene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Chrysene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[b]fluoranthene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[k]fluoranthene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]pyrene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Dibenz[a,h]anthracene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[g,h,i]perylene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*76*	*43 - 109*				
Pyrene-d10	*83*	*38 - 128*				
Terphenyl-d14	*81*	*33 - 119*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 25, 2011
Samples Submitted: March 18, 2011
Laboratory Reference: 1103-178
Project: 014697-0030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-04-0311-4.5**					
Laboratory ID:	03-178-02					
Naphthalene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
2-Methylnaphthalene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
1-Methylnaphthalene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthylene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Fluorene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Phenanthrene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Anthracene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Fluoranthene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Pyrene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]anthracene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Chrysene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[b]fluoranthene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[k]fluoranthene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]pyrene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Dibenz[a,h]anthracene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[g,h,i]perylene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*73*	*43 - 109*				
Pyrene-d10	*90*	*38 - 128*				
Terphenyl-d14	*77*	*33 - 119*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 25, 2011
Samples Submitted: March 18, 2011
Laboratory Reference: 1103-178
Project: 014697-0030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-02-0311-5**					
Laboratory ID:	03-178-03					
Naphthalene	**0.015**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
2-Methylnaphthalene	**ND**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
1-Methylnaphthalene	**ND**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthylene	**ND**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthene	**0.026**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Fluorene	**0.012**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Phenanthrene	**0.15**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Anthracene	**0.030**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Fluoranthene	**0.35**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Pyrene	**0.31**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]anthracene	**0.23**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Chrysene	**0.34**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[b]fluoranthene	**0.42**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[k]fluoranthene	**0.30**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]pyrene	**0.35**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Indeno(1,2,3-c,d)pyrene	**0.30**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Dibenz[a,h]anthracene	**0.11**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[g,h,i]perylene	**0.38**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*83*	*43 - 109*				
Pyrene-d10	*90*	*38 - 128*				
Terphenyl-d14	*85*	*33 - 119*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 25, 2011
Samples Submitted: March 18, 2011
Laboratory Reference: 1103-178
Project: 014697-0030

PAHs by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0323S1					
Naphthalene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Fluorene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Anthracene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Pyrene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Chrysene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*78*	*43 - 109*				
Pyrene-d10	*87*	*38 - 128*				
Terphenyl-d14	*89*	*33 - 119*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 25, 2011
Samples Submitted: March 18, 2011
Laboratory Reference: 1103-178
Project: 014697-0030

PAHs by EPA 8270D/SIM
SB/SBD QUALITY CONTROL
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0323S1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0470**	**0.0519**	0.0833	0.0833	56	62	43 - 108	10	27	
Acenaphthylene	**0.0555**	**0.0666**	0.0833	0.0833	67	80	52 - 120	18	21	
Acenaphthene	**0.0597**	**0.0662**	0.0833	0.0833	72	79	59 - 113	10	17	
Fluorene	**0.0644**	**0.0691**	0.0833	0.0833	77	83	64 - 117	7	14	
Phenanthrene	**0.0655**	**0.0691**	0.0833	0.0833	79	83	67 - 112	5	12	
Anthracene	**0.0578**	**0.0623**	0.0833	0.0833	69	75	59 - 110	7	16	
Fluoranthene	**0.0669**	**0.0709**	0.0833	0.0833	80	85	68 - 120	6	15	
Pyrene	**0.0691**	**0.0746**	0.0833	0.0833	83	90	69 - 121	8	17	
Benzo[a]anthracene	**0.0625**	**0.0659**	0.0833	0.0833	75	79	63 - 114	5	12	
Chrysene	**0.0678**	**0.0718**	0.0833	0.0833	81	86	67 - 118	6	12	
Benzo[b]fluoranthene	**0.0591**	**0.0654**	0.0833	0.0833	71	79	58 - 125	10	20	
Benzo[k]fluoranthene	**0.0525**	**0.0590**	0.0833	0.0833	63	71	42 - 134	12	26	
Benzo[a]pyrene	**0.0542**	**0.0584**	0.0833	0.0833	65	70	55 - 111	7	19	
Indeno(1,2,3-c,d)pyrene	**0.0607**	**0.0653**	0.0833	0.0833	73	78	60 - 125	7	20	
Dibenz[a,h]anthracene	**0.0625**	**0.0671**	0.0833	0.0833	75	81	62 - 125	7	19	
Benzo[g,h,i]perylene	**0.0638**	**0.0681**	0.0833	0.0833	77	82	61 - 124	7	19	
Surrogate:										
2-Fluorobiphenyl					*64*	*72*	*43 - 109*			
Pyrene-d10					*80*	*85*	*38 - 128*			
Terphenyl-d14					*76*	*81*	*33 - 119*			

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Date of Report: March 25, 2011
Samples Submitted: March 18, 2011
Laboratory Reference: 1103-178
Project: 014697-0030

% MOISTURE

Date Analyzed: 3-23-11

Client ID	Lab ID	% Moisture
KMW-04-0311-2	03-178-01	7
KMW-04-0311-4.5	03-178-02	9
KMW-02-0311-5	03-178-03	21

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC Geomatrix
Project Number: 01469700030
Project Name: Kelly Moore Paint
Project Manager: Tasya Gray
Sampled by: Shauna Mikelich

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 03-178

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx *	NWTPH-Dx	Volatiles 8260B *	Halogenated Volatiles 8260B	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081A	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA / MTCA Metals (circle one)	TCLP Metals	HEM (oil and grease) 1664	% Moisture
1	KMW-04-0311-2	3/17/11	0952	Soil	7		X	X		X			X								X
2	KMW-04-0311-4.5	3/17/11	0956	Soil	7		X	X		X			X								
3	KMW-02-0311-5	3/17/11	1109	Soil	1								X								

3/18/11

	Signature	Company	Date	Time
Relinquished		AMEC Geomatrix	3/18/11	1540
Received		OE Site Fu	3/18/11	1540
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
* Hold TPH & VOCs for
KMW-04-0311-2
KMW-04-0311-4.5

Chromatograms with final report ☐

Data Package: Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 30, 2011

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 0146970030
Laboratory Reference No. 1103-194

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 21, 2011.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

Case Narrative

Samples were collected on March 21, 2011 and received by the laboratory on March 21, 2011. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The chromatograms for samples KM-36-0311-6, KM-37-0311-2 and KM-37-0311-5 are similar to mineral spirits. The chromatogram for sample KM-36-0311-2 is similar to mineral spirits with gasoline. The chromatograms for samples KM-40-0311-2 and KM-40-0311-4.5 are similar to mineral spirits in addition to three unidentified peaks.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

NWTPH Gx/BTEX (water) Analysis

The NWTPH-Gx response for samples KM-34-0311-W and KM-37-0311-W is mainly attributed to three unidentified peaks. The chromatogram for sample KM-36-0311-W is similar to mineral spirits in addition to aforementioned peaks.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

PAHs EPA 8270D/SIM (water) Analysis

Sample KM-37-0311-W had one surrogate recovery out of control limits. This is within allowance of our standard operating procedure as long as the recovery is above 10%.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-34-0311-2**					
Laboratory ID:	03-194-01					
Benzene	**ND**	0.020	EPA 8021	3-23-11	3-23-11	
Toluene	**ND**	0.054	EPA 8021	3-23-11	3-23-11	
Ethyl Benzene	**ND**	0.054	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**ND**	0.054	EPA 8021	3-23-11	3-23-11	
o-Xylene	**ND**	0.054	EPA 8021	3-23-11	3-23-11	
Gasoline	**ND**	5.4	NWTPH-Gx	3-23-11	3-23-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***99***	***68-124***				
Client ID:	**KM-34-0311-4**					
Laboratory ID:	03-194-02					
Benzene	**ND**	0.020	EPA 8021	3-23-11	3-23-11	
Toluene	**ND**	0.052	EPA 8021	3-23-11	3-23-11	
Ethyl Benzene	**ND**	0.052	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**ND**	0.052	EPA 8021	3-23-11	3-23-11	
o-Xylene	**ND**	0.052	EPA 8021	3-23-11	3-23-11	
Gasoline	**ND**	5.2	NWTPH-Gx	3-23-11	3-23-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***98***	***68-124***				
Client ID:	**KM-40-0311-2**					
Laboratory ID:	03-194-04					
Benzene	**0.58**	0.029	EPA 8021	3-23-11	3-24-11	
Toluene	**0.56**	0.15	EPA 8021	3-23-11	3-24-11	
Ethyl Benzene	**7.1**	0.15	EPA 8021	3-23-11	3-24-11	
m,p-Xylene	**25**	0.36	EPA 8021	3-23-11	3-24-11	
o-Xylene	**0.22**	0.15	EPA 8021	3-23-11	3-24-11	
Gasoline	**250**	15	NWTPH-Gx	3-23-11	3-24-11	Z1
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***94***	***68-124***				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-40-0311-4.5**					
Laboratory ID:	03-194-05					
Benzene	**0.30**	0.065	EPA 8021	3-23-11	3-24-11	
Toluene	**1.8**	0.32	EPA 8021	3-23-11	3-24-11	
Ethyl Benzene	**2.7**	0.32	EPA 8021	3-23-11	3-24-11	
m,p-Xylene	**9.1**	0.32	EPA 8021	3-23-11	3-24-11	
o-Xylene	**0.33**	0.32	EPA 8021	3-23-11	3-24-11	
Gasoline	**280**	32	NWTPH-Gx	3-23-11	3-24-11	Z1
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***99***	***68-124***				
Client ID:	**KM-36-0311-2**					
Laboratory ID:	03-194-06					
Benzene	**1.9**	0.020	EPA 8021	3-23-11	3-23-11	
Toluene	**0.53**	0.061	EPA 8021	3-23-11	3-23-11	
Ethyl Benzene	**0.32**	0.061	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**3.2**	0.061	EPA 8021	3-23-11	3-23-11	
o-Xylene	**ND**	0.31	EPA 8021	3-23-11	3-23-11	U1
Gasoline	**360**	6.1	NWTPH-Gx	3-23-11	3-23-11	Z2
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***100***	***68-124***				
Client ID:	**KM-36-0311-6**					
Laboratory ID:	03-194-07					
Benzene	**0.065**	0.020	EPA 8021	3-23-11	3-23-11	
Toluene	**ND**	0.061	EPA 8021	3-23-11	3-23-11	
Ethyl Benzene	**ND**	0.061	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**0.20**	0.061	EPA 8021	3-23-11	3-23-11	
o-Xylene	**ND**	0.31	EPA 8021	3-23-11	3-23-11	U1
Gasoline	**94**	6.1	NWTPH-Gx	3-23-11	3-23-11	Z3
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***101***	***68-124***				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-37-0311-2**					
Laboratory ID:	03-194-09					
Benzene	**0.098**	0.020	EPA 8021	3-23-11	3-23-11	
Toluene	**ND**	0.083	EPA 8021	3-23-11	3-23-11	
Ethyl Benzene	**ND**	0.083	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**0.35**	0.083	EPA 8021	3-23-11	3-23-11	
o-Xylene	**ND**	0.083	EPA 8021	3-23-11	3-23-11	
Gasoline	**28**	8.3	NWTPH-Gx	3-23-11	3-23-11	Z3
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***105***	***68-124***				
Client ID:	**KM-37-0311-5**					
Laboratory ID:	03-194-10					
Benzene	**0.077**	0.027	EPA 8021	3-23-11	3-25-11	
Toluene	**ND**	0.13	EPA 8021	3-23-11	3-25-11	
Ethyl Benzene	**ND**	0.13	EPA 8021	3-23-11	3-25-11	
m,p-Xylene	**0.23**	0.13	EPA 8021	3-23-11	3-25-11	
o-Xylene	**ND**	0.13	EPA 8021	3-23-11	3-25-11	
Gasoline	**81**	13	NWTPH-Gx	3-23-11	3-25-11	Z3
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***93***	***68-124***				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0323S2					
Benzene	**ND**	0.020	EPA 8021	3-23-11	3-23-11	
Toluene	**ND**	0.050	EPA 8021	3-23-11	3-23-11	
Ethyl Benzene	**ND**	0.050	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**ND**	0.050	EPA 8021	3-23-11	3-23-11	
o-Xylene	**ND**	0.050	EPA 8021	3-23-11	3-23-11	
Gasoline	**ND**	5.0	NWTPH-Gx	3-23-11	3-23-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***96***	***68-124***				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-202-08										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						***101***	***104***	***68-124***			
SPIKE BLANKS											
Laboratory ID:	SB0323S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.966**	**0.950**	1.00	1.00		**97**	**95**	77-114	2	9	
Toluene	**1.02**	**1.01**	1.00	1.00		**102**	**101**	80-115	1	9	
Ethyl Benzene	**1.05**	**1.04**	1.00	1.00		**105**	**104**	80-118	1	9	
m,p-Xylene	**1.01**	**1.01**	1.00	1.00		**101**	**101**	82-118	0	9	
o-Xylene	**1.00**	**1.01**	1.00	1.00		**100**	**101**	82-116	1	9	
Surrogate:											
Fluorobenzene						***94***	***93***	***68-124***			

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-34-0311-W**					
Laboratory ID:	03-194-03					
Benzene	**ND**	1.0	EPA 8021	3-22-11	3-22-11	
Toluene	**1.4**	1.0	EPA 8021	3-22-11	3-22-11	
Ethyl Benzene	**13**	1.0	EPA 8021	3-22-11	3-22-11	
m,p-Xylene	**56**	1.0	EPA 8021	3-22-11	3-22-11	
o-Xylene	**18**	1.0	EPA 8021	3-22-11	3-22-11	
Gasoline	**190**	100	NWTPH-Gx	3-22-11	3-22-11	Z1
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***100***	***73-121***				
Client ID:	**KM-36-0311-W**					
Laboratory ID:	03-194-08					
Benzene	**93**	10	EPA 8021	3-22-11	3-22-11	
Toluene	**ND**	10	EPA 8021	3-22-11	3-22-11	
Ethyl Benzene	**4700**	100	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**1400**	100	EPA 8021	3-23-11	3-23-11	
o-Xylene	**ND**	50	EPA 8021	3-22-11	3-22-11	U1
Gasoline	**31000**	1000	NWTPH-Gx	3-22-11	3-22-11	Z2
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***103***	***73-121***				
Client ID:	**KM-37-0311-W**					
Laboratory ID:	03-194-11					
Benzene	**35**	10	EPA 8021	3-22-11	3-22-11	
Toluene	**ND**	10	EPA 8021	3-22-11	3-22-11	
Ethyl Benzene	**5100**	250	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**10000**	250	EPA 8021	3-23-11	3-23-11	
o-Xylene	**1600**	250	EPA 8021	3-23-11	3-23-11	
Gasoline	**38000**	1000	NWTPH-Gx	3-22-11	3-22-11	Z1
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***104***	***73-121***				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0322W1					
Benzene	**ND**	1.0	EPA 8021	3-22-11	3-22-11	
Toluene	**ND**	1.0	EPA 8021	3-22-11	3-22-11	
Ethyl Benzene	**ND**	1.0	EPA 8021	3-22-11	3-22-11	
m,p-Xylene	**ND**	1.0	EPA 8021	3-22-11	3-22-11	
o-Xylene	**ND**	1.0	EPA 8021	3-22-11	3-22-11	
Gasoline	**ND**	100	NWTPH-Gx	3-22-11	3-22-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***106***	***73-121***				
Laboratory ID:	MB0323W3					
Benzene	**ND**	1.0	EPA 8021	3-23-11	3-23-11	
Toluene	**ND**	1.0	EPA 8021	3-23-11	3-23-11	
Ethyl Benzene	**ND**	1.0	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**ND**	1.0	EPA 8021	3-23-11	3-23-11	
o-Xylene	**ND**	1.0	EPA 8021	3-23-11	3-23-11	
Gasoline	**ND**	100	NWTPH-Gx	3-23-11	3-23-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***104***	***73-121***				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-194-03										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**1.40**	**1.48**	NA	NA		NA		NA	6	30	
Ethyl Benzene	**13.2**	**12.9**	NA	NA		NA		NA	2	30	
m,p-Xylene	**56.4**	**52.9**	NA	NA		NA		NA	6	30	
o-Xylene	**18.1**	**17.5**	NA	NA		NA		NA	3	30	
Gasoline	**191**	**188**	NA	NA		NA		NA	2	30	
Surrogate:											
Fluorobenzene						***100***	***97***	***73-121***			
MATRIX SPIKES											
Laboratory ID:	03-194-03										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**51.8**	**54.3**	50.0	50.0	ND	**104**	**109**	82-120	5	8	
Toluene	**55.2**	**57.8**	50.0	50.0	1.40	**108**	**113**	84-119	5	8	
Ethyl Benzene	**67.2**	**70.4**	50.0	50.0	13.2	**108**	**114**	84-122	5	9	
m,p-Xylene	**106**	**109**	50.0	50.0	56.4	**99**	**105**	85-121	3	9	
o-Xylene	**69.4**	**72.0**	50.0	50.0	18.1	**103**	**108**	84-121	4	9	
Surrogate:											
Fluorobenzene						***94***	***103***	***73-121***			

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-34-0311-2**					
Laboratory ID:	03-194-01					
Naphthalene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
2-Methylnaphthalene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
1-Methylnaphthalene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthylene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Fluorene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Phenanthrene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Anthracene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Fluoranthene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Pyrene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]anthracene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Chrysene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[b]fluoranthene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[k]fluoranthene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]pyrene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Dibenz[a,h]anthracene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[g,h,i]perylene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***84***	***43 - 109***				
Pyrene-d10	***90***	***38 - 128***				
Terphenyl-d14	***81***	***33 - 119***				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-34-0311-4**					
Laboratory ID:	03-194-02					
Naphthalene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
2-Methylnaphthalene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
1-Methylnaphthalene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthylene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Fluorene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Phenanthrene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Anthracene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Fluoranthene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Pyrene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]anthracene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Chrysene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[b]fluoranthene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[k]fluoranthene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]pyrene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Dibenz[a,h]anthracene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[g,h,i]perylene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***81***	***43 - 109***				
Pyrene-d10	***91***	***38 - 128***				
Terphenyl-d14	***82***	***33 - 119***				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-36-0311-2**					
Laboratory ID:	03-194-06					
Naphthalene	**0.0087**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
2-Methylnaphthalene	**0.0091**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
1-Methylnaphthalene	**0.0084**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthylene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Fluorene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Phenanthrene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Anthracene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Fluoranthene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Pyrene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]anthracene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Chrysene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[b]fluoranthene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[k]fluoranthene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]pyrene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Dibenz[a,h]anthracene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[g,h,i]perylene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***78***	***43 - 109***				
Pyrene-d10	***91***	***38 - 128***				
Terphenyl-d14	***81***	***33 - 119***				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-36-0311-6**					
Laboratory ID:	03-194-07					
Naphthalene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
2-Methylnaphthalene	**0.020**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
1-Methylnaphthalene	**0.016**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthylene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Fluorene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Phenanthrene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Anthracene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Fluoranthene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Pyrene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]anthracene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Chrysene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[b]fluoranthene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[k]fluoranthene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]pyrene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Dibenz[a,h]anthracene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[g,h,i]perylene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***84***	***43 - 109***				
Pyrene-d10	***86***	***38 - 128***				
Terphenyl-d14	***84***	***33 - 119***				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-37-0311-2**					
Laboratory ID:	03-194-09					
Naphthalene	**0.025**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
2-Methylnaphthalene	**0.036**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
1-Methylnaphthalene	**0.035**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthylene	**0.012**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthene	**ND**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Fluorene	**ND**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Phenanthrene	**0.072**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Anthracene	**0.012**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Fluoranthene	**0.082**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Pyrene	**0.082**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]anthracene	**0.035**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Chrysene	**0.064**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[b]fluoranthene	**0.050**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[k]fluoranthene	**0.040**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]pyrene	**0.050**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Indeno(1,2,3-c,d)pyrene	**0.048**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Dibenz[a,h]anthracene	**0.014**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[g,h,i]perylene	**0.066**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***71***	***43 - 109***				
Pyrene-d10	***66***	***38 - 128***				
Terphenyl-d14	***70***	***33 - 119***				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-37-0311-5**					
Laboratory ID:	03-194-10					
Naphthalene	**ND**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
2-Methylnaphthalene	**0.013**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
1-Methylnaphthalene	**0.0090**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthylene	**ND**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthene	**ND**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Fluorene	**ND**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Phenanthrene	**0.027**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Anthracene	**ND**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Fluoranthene	**0.058**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Pyrene	**0.084**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]anthracene	**0.036**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Chrysene	**0.054**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[b]fluoranthene	**0.041**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[k]fluoranthene	**0.043**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]pyrene	**0.052**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Indeno(1,2,3-c,d)pyrene	**0.045**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Dibenz[a,h]anthracene	**0.010**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[g,h,i]perylene	**0.067**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***72***	***43 - 109***				
Pyrene-d10	***71***	***38 - 128***				
Terphenyl-d14	***72***	***33 - 119***				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PAHs by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0323S1					
Naphthalene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Fluorene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Anthracene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Pyrene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Chrysene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***78***	***43 - 109***				
Pyrene-d10	***87***	***38 - 128***				
Terphenyl-d14	***89***	***33 - 119***				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PAHs by EPA 8270D/SIM
SB/SBD QUALITY CONTROL
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0323S1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0470**	**0.0519**	0.0833	0.0833	56	62	43 - 108	10	27	
Acenaphthylene	**0.0555**	**0.0666**	0.0833	0.0833	67	80	52 - 120	18	21	
Acenaphthene	**0.0597**	**0.0662**	0.0833	0.0833	72	79	59 - 113	10	17	
Fluorene	**0.0644**	**0.0691**	0.0833	0.0833	77	83	64 - 117	7	14	
Phenanthrene	**0.0655**	**0.0691**	0.0833	0.0833	79	83	67 - 112	5	12	
Anthracene	**0.0578**	**0.0623**	0.0833	0.0833	69	75	59 - 110	7	16	
Fluoranthene	**0.0669**	**0.0709**	0.0833	0.0833	80	85	68 - 120	6	15	
Pyrene	**0.0691**	**0.0746**	0.0833	0.0833	83	90	69 - 121	8	17	
Benzo[a]anthracene	**0.0625**	**0.0659**	0.0833	0.0833	75	79	63 - 114	5	12	
Chrysene	**0.0678**	**0.0718**	0.0833	0.0833	81	86	67 - 118	6	12	
Benzo[b]fluoranthene	**0.0591**	**0.0654**	0.0833	0.0833	71	79	58 - 125	10	20	
Benzo[k]fluoranthene	**0.0525**	**0.0590**	0.0833	0.0833	63	71	42 - 134	12	26	
Benzo[a]pyrene	**0.0542**	**0.0584**	0.0833	0.0833	65	70	55 - 111	7	19	
Indeno(1,2,3-c,d)pyrene	**0.0607**	**0.0653**	0.0833	0.0833	73	78	60 - 125	7	20	
Dibenz[a,h]anthracene	**0.0625**	**0.0671**	0.0833	0.0833	75	81	62 - 125	7	19	
Benzo[g,h,i]perylene	**0.0638**	**0.0681**	0.0833	0.0833	77	82	61 - 124	7	19	
Surrogate:										
2-Fluorobiphenyl					***64***	***72***	***43 - 109***			
Pyrene-d10					***80***	***85***	***38 - 128***			
Terphenyl-d14					***76***	***81***	***33 - 119***			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-34-0311-W**					
Laboratory ID:	03-194-03					
Naphthalene	**ND**	0.099	EPA 8270/SIM	3-22-11	3-23-11	
2-Methylnaphthalene	**ND**	0.099	EPA 8270/SIM	3-22-11	3-23-11	
1-Methylnaphthalene	**ND**	0.099	EPA 8270/SIM	3-22-11	3-23-11	
Acenaphthylene	**ND**	0.099	EPA 8270/SIM	3-22-11	3-23-11	
Acenaphthene	**ND**	0.099	EPA 8270/SIM	3-22-11	3-23-11	
Fluorene	**ND**	0.099	EPA 8270/SIM	3-22-11	3-23-11	
Phenanthrene	**ND**	0.099	EPA 8270/SIM	3-22-11	3-23-11	
Anthracene	**ND**	0.099	EPA 8270/SIM	3-22-11	3-23-11	
Fluoranthene	**ND**	0.099	EPA 8270/SIM	3-22-11	3-23-11	
Pyrene	**ND**	0.099	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[a]anthracene	**ND**	0.0099	EPA 8270/SIM	3-22-11	3-23-11	
Chrysene	**ND**	0.0099	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[b]fluoranthene	**ND**	0.0099	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[k]fluoranthene	**ND**	0.0099	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[a]pyrene	**ND**	0.0099	EPA 8270/SIM	3-22-11	3-23-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0099	EPA 8270/SIM	3-22-11	3-23-11	
Dibenz[a,h]anthracene	**ND**	0.0099	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[g,h,i]perylene	**ND**	0.0099	EPA 8270/SIM	3-22-11	3-23-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***84***	***38 - 105***				
Pyrene-d10	***89***	***37 - 121***				
Terphenyl-d14	***87***	***32 - 112***				

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 21, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-36-0311-W**					
Laboratory ID:	03-194-08					
Naphthalene	**3.6**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
2-Methylnaphthalene	**1.1**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
1-Methylnaphthalene	**0.91**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Acenaphthene	**0.43**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Fluorene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Phenanthrene	**0.20**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Anthracene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Pyrene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[a]anthracene	**0.035**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Chrysene	**0.042**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[b]fluoranthene	**0.027**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[k]fluoranthene	**0.021**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[a]pyrene	**0.032**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Indeno(1,2,3-c,d)pyrene	**0.032**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[g,h,i]perylene	**0.050**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***47***	***38 - 105***				
Pyrene-d10	***47***	***37 - 121***				
Terphenyl-d14	***48***	***32 - 112***				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-37-0311-W**					
Laboratory ID:	03-194-11					
Naphthalene	**4.6**	0.098	EPA 8270/SIM	3-22-11	3-23-11	
2-Methylnaphthalene	**0.73**	0.098	EPA 8270/SIM	3-22-11	3-23-11	
1-Methylnaphthalene	**0.50**	0.098	EPA 8270/SIM	3-22-11	3-23-11	
Acenaphthylene	**ND**	0.098	EPA 8270/SIM	3-22-11	3-23-11	
Acenaphthene	**0.12**	0.098	EPA 8270/SIM	3-22-11	3-23-11	
Fluorene	**ND**	0.098	EPA 8270/SIM	3-22-11	3-23-11	
Phenanthrene	**0.17**	0.098	EPA 8270/SIM	3-22-11	3-23-11	
Anthracene	**ND**	0.098	EPA 8270/SIM	3-22-11	3-23-11	
Fluoranthene	**0.10**	0.098	EPA 8270/SIM	3-22-11	3-23-11	
Pyrene	**0.10**	0.098	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[a]anthracene	**0.043**	0.0098	EPA 8270/SIM	3-22-11	3-23-11	
Chrysene	**0.053**	0.0098	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[b]fluoranthene	**0.032**	0.0098	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[k]fluoranthene	**0.026**	0.0098	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[a]pyrene	**0.035**	0.0098	EPA 8270/SIM	3-22-11	3-23-11	
Indeno(1,2,3-c,d)pyrene	**0.027**	0.0098	EPA 8270/SIM	3-22-11	3-23-11	
Dibenz[a,h]anthracene	**ND**	0.0098	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[g,h,i]perylene	**0.037**	0.0098	EPA 8270/SIM	3-22-11	3-23-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***37***	***38 - 105***				Q
Pyrene-d10	***46***	***37 - 121***				
Terphenyl-d14	***44***	***32 - 112***				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PAHs by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0322W1					
Naphthalene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Fluorene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Anthracene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Pyrene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Chrysene	**ND**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***88***	***38 - 105***				
Pyrene-d10	***93***	***37 - 121***				
Terphenyl-d14	***93***	***32 - 112***				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PAHs by EPA 8270D/SIM
SB/SBD QUALITY CONTROL
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0322W1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.333**	**0.352**	0.500	0.500	67	70	38 - 110	6	35	
Acenaphthylene	**0.344**	**0.371**	0.500	0.500	69	74	47 - 120	8	30	
Acenaphthene	**0.356**	**0.386**	0.500	0.500	71	77	46 - 113	8	26	
Fluorene	**0.375**	**0.403**	0.500	0.500	75	81	60 - 104	7	25	
Phenanthrene	**0.361**	**0.404**	0.500	0.500	72	81	61 - 99	11	19	
Anthracene	**0.350**	**0.382**	0.500	0.500	70	76	55 - 122	9	19	
Fluoranthene	**0.357**	**0.425**	0.500	0.500	71	85	58 - 129	17	18	
Pyrene	**0.355**	**0.403**	0.500	0.500	71	81	57 - 126	13	22	
Benzo[a]anthracene	**0.353**	**0.399**	0.500	0.500	71	80	51 - 124	12	18	
Chrysene	**0.367**	**0.417**	0.500	0.500	73	83	53 - 123	13	20	
Benzo[b]fluoranthene	**0.340**	**0.397**	0.500	0.500	68	79	53 - 126	15	18	
Benzo[k]fluoranthene	**0.325**	**0.393**	0.500	0.500	65	79	51 - 126	19	23	
Benzo[a]pyrene	**0.324**	**0.385**	0.500	0.500	65	77	52 - 127	17	21	
Indeno(1,2,3-c,d)pyrene	**0.331**	**0.407**	0.500	0.500	66	81	49 - 123	21	26	
Dibenz[a,h]anthracene	**0.309**	**0.404**	0.500	0.500	62	81	39 - 125	27	31	
Benzo[g,h,i]perylene	**0.328**	**0.413**	0.500	0.500	66	83	40 - 125	23	30	
Surrogate:										
2-Fluorobiphenyl					***75***	***76***	***38 - 105***			
Pyrene-d10					***73***	***82***	***37 - 121***			
Terphenyl-d14					***87***	***92***	***32 - 112***			

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-40-0311-2**					
Laboratory ID:	03-194-04					
Aroclor 1016	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Aroclor 1221	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Aroclor 1232	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Aroclor 1242	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Aroclor 1248	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Aroclor 1254	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Aroclor 1260	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***86***	***42-123***				
Client ID:	**KM-40-0311-4.5**					
Laboratory ID:	03-194-05					
Aroclor 1016	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Aroclor 1221	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Aroclor 1232	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Aroclor 1242	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Aroclor 1248	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Aroclor 1254	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Aroclor 1260	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***92***	***42-123***				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Solid
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0323S1					
Aroclor 1016	**ND**	0.050	EPA 8082	3-23-11	3-23-11	
Aroclor 1221	**ND**	0.050	EPA 8082	3-23-11	3-23-11	
Aroclor 1232	**ND**	0.050	EPA 8082	3-23-11	3-23-11	
Aroclor 1242	**ND**	0.050	EPA 8082	3-23-11	3-23-11	
Aroclor 1248	**ND**	0.050	EPA 8082	3-23-11	3-23-11	
Aroclor 1254	**ND**	0.050	EPA 8082	3-23-11	3-23-11	
Aroclor 1260	**ND**	0.050	EPA 8082	3-23-11	3-23-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***88***	***42-123***				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-191-06										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.442**	**0.435**	0.500	0.500	ND	**88**	**87**	44-125	2	15	
Surrogate:											
DCB						***87***	***85***	***42-123***			

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

TOTAL METALS
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	03-194-03					
Client ID:	**KM-34-0311-W**					
Arsenic	**ND**	3.3	200.8	3-23-11	3-23-11	
Chromium	**ND**	11	200.8	3-23-11	3-23-11	
Lead	**ND**	1.1	200.8	3-23-11	3-23-11	
Lab ID:	03-194-08					
Client ID:	**KM-36-0311-W**					
Arsenic	**20**	3.3	200.8	3-23-11	3-23-11	
Chromium	**ND**	11	200.8	3-23-11	3-23-11	
Lead	**ND**	1.1	200.8	3-23-11	3-23-11	
Lab ID:	03-194-11					
Client ID:	**KM-37-0311-W**					
Arsenic	**15**	3.3	200.8	3-23-11	3-23-11	
Chromium	**ND**	11	200.8	3-23-11	3-23-11	
Lead	**13**	1.1	200.8	3-23-11	3-23-11	

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

TOTAL METALS
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Extracted:	3-23-11
Date Analyzed:	3-23-11
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0323W3

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Chromium	200.8	**ND**	11
Lead	200.8	**ND**	1.1

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

TOTAL METALS
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Extracted: 3-23-11
Date Analyzed: 3-23-11

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-190-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	3.3	
Chromium	**ND**	**ND**	NA	11	
Lead	**ND**	**ND**	NA	1.1	

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

TOTAL METALS
EPA 200.8
MS/MSD QUALITY CONTROL

Date Extracted: 3-23-11
Date Analyzed: 3-23-11

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-190-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	110	**111**	101	**108**	98	3	
Chromium	110	**110**	100	**109**	99	0	
Lead	110	**108**	98	**106**	97	1	

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

% MOISTURE

Date Analyzed: 3-23-11

Client ID	Lab ID	% Moisture
KM-34-0311-2	03-194-01	4
KM-34-0311-24	03-194-02	4
KM-40-0311-2	03-194-04	19
KM-40-0311-4.5	03-194-05	19
KM-36-0311-2	03-194-06	13
KM-36-0311-6	03-194-07	11
KM-37-0311-2	03-194-09	25
KM-37-0311-5	03-194-10	10

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z1 - Gasoline response is mainly attributed to three unidentified peaks.
Z2 - Sample chromatogram is similar to mineral spirits in addition to three unidentified peaks.
Z3 - Sample chromatogram is similar to mineral spirits in addition to gasoline.
Z4 - Sample chromatogram is similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

Page 1 of 2

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC Geomatrix
Project Number: 01469700030
Project Name: Kelly-Moore Paint
Project Manager: Tasya Gray
Sampled by: Shawna Mikelich

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 03-194

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260B	Halogenated Volatiles 8260B	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081A	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA / MTCA Metals (circle one) As, Pb, Cr only	TCLP Metals	HEM (oil and grease) 1664	% Moisture
1	KM-34-0311-2	3/21/11	0834	S	2		X						X								X
2	KM-34-0311-4	3/21/11	0840	S	↓		X						X								↓
3	KM-34-0311-W	3/21/11	1045	W	5		X						X					X			
4	KM-40-0311-2	3/21/11	1117	S	2		X							X							X
5	KM-40-0311-4.5	3/21/11	1120	S	↓		X							X							↓
6	KM-36-0311-2	3/21/11	1219	S			X						X								
7	KM-36-0311-6.5 DUP	3/21/11	1225	S	↓		X						X								↓
8	KM-36-0311-W	3/21/11	1310	W	5		X						X					X			
9	KM-37-0311-2	3/21/11	1338	S	2		X						X								X
10	KM-37-0311-5	3/21/11	1341	S	↓		X						X								↓

	Signature	Company	Date	Time
Relinquished		AMEC Geomatrix	3/21/11	1635
Received		OnSite Env.	3/21/11	1635
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC Geomatrix
Project Number: 0146970030
Project Name: Kelly Moore
Project Manager: Tasya Gray
Sampled by: S. Mikelich

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Days ☐ 3 Days
- ☒ Standard (7 Days) (TPH analysis 5 Days)
- ☐ _____ (other)

Laboratory Number: 03-194

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260B	Halogenated Volatiles 8260B	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081A	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA / MTCA Metals (circle one) As, Pb, Cr only	TCLP Metals	HEM (oil and grease) 1664	% Moisture
11	KM-37-0311-W	3/21/11	1427	W	5		X						X					X			

SM 3/21/11

SM 3/21/11

	Signature	Company	Date	Time
Relinquished		AMEC Geomatrix	3/21/11	1635
Received		OnSite Env	3/21/11	1635
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

Sample/Cooler Receipt and Acceptance Checklist

Client: AMEC

Client Project Name/Number: 01469700030

OnSite Project Number: 03-194

Initiated by: MMBG

Date Initiated: 3/21/11

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	Yes	No	N/A	1 2 3 4
1.2 Were the custody seals intact?	Yes	No	N/A	1 2 3 4
1.3 Were the custody seals signed and dated by last custodian?	Yes	No	N/A	1 2 3 4
1.4 Were the samples delivered on ice or blue ice?	Yes	No		1 2 3 4
1.5 Were samples received between 0-6 degrees Celsius?	Yes	No	Temperature: 3 °C	
1.6 Have shipping bills (if any) been attached to the back of this form?	Yes	N/A		
1.7 How were the samples delivered?	Client	Courier	UPS/FedEx	OSE Pickup Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	Yes	No		1 2 3 4
2.2 Was the COC legible and written in permanent ink?	Yes	No		1 2 3 4
2.3 Have samples been relinquished and accepted by each custodian?	Yes	No		1 2 3 4
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	Yes	No		1 2 3 4
2.5 Were all of the samples listed on the COC submitted?	Yes	No		1 2 3 4
2.6 Were any of the samples submitted omitted from the COC?	Yes	No		1 2 3 4

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	No		1 2 3 4
3.2 Were any sample labels missing or illegible?	Yes	No		1 2 3 4
3.3 Have the correct containers been used for each analysis requested?	Yes	No		1 2 3 4
3.4 Have the samples been correctly preserved?	Yes	No	N/A	1 2 3 4
3.5 Are volatiles samples free from headspace and air bubbles?	Yes	No	N/A	1 2 3 4
3.6 Is there sufficient sample submitted to perform requested analyses?	Yes	No		1 2 3 4
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	No		1 2 3 4
3.8 Was method 5035A used?	Yes	No	N/A	1 2 3 4
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#		N/A	1 2 3 4

Explain any discrepancies:

2.4) Sample 7) KM-36-0311-6.5 3/21/11 1225 on COC
KM-36-0311-6 * " " on labels & lid of jar
Sample 9) KM-37-0311-2 3/21/11 1338 on COC
KM-37-0311 " " on label of jar *
37-2 1338 on lid of jar

1 - Discuss issue in Case Narrative

2 - Process Sample As-is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 31, 2011

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 0146970030
Laboratory Reference No. 1103-202

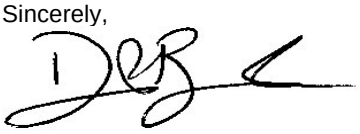
Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 22, 2011.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,



David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

Case Narrative

Samples were collected on March 22, 2011 and received by the laboratory on March 23, 2011. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The MTCA Method A clean-up level for Benzene is not achievable for sample KM-33-0311-4 due to the necessary dilution of the sample.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Volatiles EPA 8260B (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-35-0311-2**					
Laboratory ID:	03-202-01					
Benzene	**ND**	0.020	EPA 8021	3-23-11	3-23-11	
Toluene	**ND**	0.040	EPA 8021	3-23-11	3-23-11	
Ethyl Benzene	**ND**	0.040	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**ND**	0.040	EPA 8021	3-23-11	3-23-11	
o-Xylene	**ND**	0.040	EPA 8021	3-23-11	3-23-11	
Gasoline	**ND**	4.0	NWTPH-Gx	3-23-11	3-23-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***101***	***68-124***				
Client ID:	**KM-35-0311-6.5**					
Laboratory ID:	03-202-02					
Benzene	**ND**	0.020	EPA 8021	3-23-11	3-23-11	
Toluene	**ND**	0.051	EPA 8021	3-23-11	3-23-11	
Ethyl Benzene	**ND**	0.051	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**ND**	0.051	EPA 8021	3-23-11	3-23-11	
o-Xylene	**ND**	0.051	EPA 8021	3-23-11	3-23-11	
Gasoline	**ND**	5.1	NWTPH-Gx	3-23-11	3-23-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***100***	***68-124***				
Client ID:	**KM-33-0311-4**					
Laboratory ID:	03-202-04					
Benzene	**ND**	0.076	EPA 8021	3-23-11	3-24-11	
Toluene	**ND**	0.38	EPA 8021	3-23-11	3-24-11	
Ethyl Benzene	**ND**	0.38	EPA 8021	3-23-11	3-24-11	
m,p-Xylene	**ND**	1.9	EPA 8021	3-23-11	3-24-11	U1
o-Xylene	**ND**	1.9	EPA 8021	3-23-11	3-24-11	U1
Gasoline	**3300**	38	NWTPH-Gx	3-23-11	3-24-11	O
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***97***	***68-124***				
Client ID:	**KM-31-0311-3**					
Laboratory ID:	03-202-06					
Gasoline	**ND**	5.3	NWTPH-Gx	3-23-11	3-23-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***95***	***68-124***				

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-32-0311-3**					
Laboratory ID:	03-202-08					
Gasoline	**ND**	5.1	NWTPH-Gx	3-23-11	3-23-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***101***	***68-124***				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0323S1					
Benzene	**ND**	0.020	EPA 8021	3-23-11	3-23-11	
Toluene	**ND**	0.050	EPA 8021	3-23-11	3-23-11	
Ethyl Benzene	**ND**	0.050	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**ND**	0.050	EPA 8021	3-23-11	3-23-11	
o-Xylene	**ND**	0.050	EPA 8021	3-23-11	3-23-11	
Gasoline	**ND**	5.0	NWTPH-Gx	3-23-11	3-23-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***95***	***68-124***				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-202-06										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						***94***	***97***	***68-124***			
SPIKE BLANKS											
Laboratory ID:	SB0323S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.966**	**0.950**	1.00	1.00		**97**	**95**	77-114	2	9	
Toluene	**1.02**	**1.01**	1.00	1.00		**102**	**101**	80-115	1	9	
Ethyl Benzene	**1.05**	**1.04**	1.00	1.00		**105**	**104**	80-118	1	9	
m,p-Xylene	**1.01**	**1.01**	1.00	1.00		**101**	**101**	82-118	0	9	
o-Xylene	**1.00**	**1.01**	1.00	1.00		**100**	**101**	82-116	1	9	
Surrogate:											
Fluorobenzene						***94***	***93***	***68-124***			

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-35-0311-W**					
Laboratory ID:	03-202-03					
Benzene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
Toluene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
Ethyl Benzene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
m,p-Xylene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
o-Xylene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
Gasoline	**ND**	100	NWTPH-Gx	3-25-11	3-25-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***97***	***73-121***				
Client ID:	**KM-33-0311-W**					
Laboratory ID:	03-202-05					
Benzene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
Toluene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
Ethyl Benzene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
m,p-Xylene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
o-Xylene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
Gasoline	**160**	100	NWTPH-Gx	3-25-11	3-25-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***101***	***73-121***				
Client ID:	**KM-31-0311-W**					
Laboratory ID:	03-202-07					
Gasoline	**ND**	100	NWTPH-Gx	3-25-11	3-25-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***98***	***73-121***				
Client ID:	**KM-32-0311-W**					
Laboratory ID:	03-202-09					
Gasoline	**ND**	100	NWTPH-Gx	3-25-11	3-25-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***96***	***73-121***				

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0325W2					
Benzene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
Toluene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
Ethyl Benzene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
m,p-Xylene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
o-Xylene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
Gasoline	**ND**	100	NWTPH-Gx	3-25-11	3-25-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***104***	***73-121***				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-213-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**2.45**	**2.21**	NA	NA		NA		NA	10	30	
m,p-Xylene	**2.53**	**2.13**	NA	NA		NA		NA	17	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						***102***	***105***	***73-121***			
MATRIX SPIKES											
Laboratory ID:	03-229-04										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**519**	**515**	500	500	11.4	**102**	**101**	82-120	1	8	
Toluene	**573**	**560**	500	500	36.9	**107**	**105**	84-119	2	8	
Ethyl Benzene	**560**	**553**	500	500	ND	**112**	**111**	84-122	1	9	
m,p-Xylene	**575**	**571**	500	500	27.4	**110**	**109**	85-121	1	9	
o-Xylene	**538**	**529**	500	500	ND	**108**	**106**	84-121	2	9	
Surrogate:											
Fluorobenzene						***107***	***106***	***73-121***			

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-31-0311-3**					
Laboratory ID:	03-202-06					
Dichlorodifluoromethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Chloromethane	ND	0.0055	EPA 8260	3-23-11	3-23-11	
Vinyl Chloride	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Bromomethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Chloroethane	ND	0.0055	EPA 8260	3-23-11	3-23-11	
Trichlorofluoromethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,1-Dichloroethene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Acetone	ND	0.0055	EPA 8260	3-23-11	3-23-11	
Iodomethane	ND	0.0055	EPA 8260	3-23-11	3-23-11	
Carbon Disulfide	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Methylene Chloride	ND	0.0055	EPA 8260	3-23-11	3-23-11	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,1-Dichloroethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Vinyl Acetate	ND	0.0055	EPA 8260	3-23-11	3-23-11	
2,2-Dichloropropane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
2-Butanone	ND	0.0055	EPA 8260	3-23-11	3-23-11	
Bromochloromethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Chloroform	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Carbon Tetrachloride	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,1-Dichloropropene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Benzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,2-Dichloroethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Trichloroethene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,2-Dichloropropane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Dibromomethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Bromodichloromethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
2-Chloroethyl Vinyl Ether	ND	0.0055	EPA 8260	3-23-11	3-23-11	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Methyl Isobutyl Ketone	ND	0.0055	EPA 8260	3-23-11	3-23-11	
Toluene	ND	0.0055	EPA 8260	3-23-11	3-23-11	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260	3-23-11	3-23-11	

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-31-0311-3**					
Laboratory ID:	03-202-06					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Tetrachloroethene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,3-Dichloropropane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
2-Hexanone	ND	0.0055	EPA 8260	3-23-11	3-23-11	
Dibromochloromethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,2-Dibromoethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Chlorobenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Ethylbenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
m,p-Xylene	ND	0.0022	EPA 8260	3-23-11	3-23-11	
o-Xylene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Styrene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Bromoform	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Isopropylbenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Bromobenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
n-Propylbenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
2-Chlorotoluene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
4-Chlorotoluene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
tert-Butylbenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
sec-Butylbenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
p-Isopropyltoluene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
n-Butylbenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,2-Dibromo-3-chloropropane	ND	0.0055	EPA 8260	3-23-11	3-23-11	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Hexachlorobutadiene	ND	0.0055	EPA 8260	3-23-11	3-23-11	
Naphthalene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***78***	***63-127***				
Toluene-d8	***82***	***65-129***				
4-Bromofluorobenzene	***79***	***55-121***				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-32-0311-3**					
Laboratory ID:	03-202-08					
Dichlorodifluoromethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Chloromethane	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Vinyl Chloride	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Bromomethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Chloroethane	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Trichlorofluoromethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,1-Dichloroethene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Acetone	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Iodomethane	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Carbon Disulfide	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Methylene Chloride	ND	0.0050	EPA 8260	3-23-11	3-23-11	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,1-Dichloroethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Vinyl Acetate	ND	0.0050	EPA 8260	3-23-11	3-23-11	
2,2-Dichloropropane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
2-Butanone	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Bromochloromethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Chloroform	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Carbon Tetrachloride	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,1-Dichloropropene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Benzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2-Dichloroethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Trichloroethene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2-Dichloropropane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Dibromomethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Bromodichloromethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260	3-23-11	3-23-11	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Toluene	ND	0.0050	EPA 8260	3-23-11	3-23-11	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260	3-23-11	3-23-11	

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-32-0311-3**					
Laboratory ID:	03-202-08					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Tetrachloroethene	0.0016	0.0010	EPA 8260	3-23-11	3-23-11	
1,3-Dichloropropane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
2-Hexanone	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Dibromochloromethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2-Dibromoethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Chlorobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Ethylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
m,p-Xylene	ND	0.0020	EPA 8260	3-23-11	3-23-11	
o-Xylene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Styrene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Bromoform	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Isopropylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Bromobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
n-Propylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
2-Chlorotoluene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
4-Chlorotoluene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
tert-Butylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
sec-Butylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
p-Isopropyltoluene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
n-Butylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260	3-23-11	3-23-11	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Hexachlorobutadiene	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Naphthalene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***81***	***63-127***				
Toluene-d8	***84***	***65-129***				
4-Bromofluorobenzene	***83***	***55-121***				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0323S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Chloromethane	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Vinyl Chloride	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Bromomethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Chloroethane	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Trichlorofluoromethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,1-Dichloroethene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Acetone	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Iodomethane	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Carbon Disulfide	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Methylene Chloride	ND	0.0050	EPA 8260	3-23-11	3-23-11	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,1-Dichloroethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Vinyl Acetate	ND	0.0050	EPA 8260	3-23-11	3-23-11	
2,2-Dichloropropane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
2-Butanone	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Bromochloromethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Chloroform	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Carbon Tetrachloride	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,1-Dichloropropene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Benzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2-Dichloroethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Trichloroethene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2-Dichloropropane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Dibromomethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Bromodichloromethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260	3-23-11	3-23-11	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Toluene	ND	0.0050	EPA 8260	3-23-11	3-23-11	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260	3-23-11	3-23-11	

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0323S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Tetrachloroethene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,3-Dichloropropane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
2-Hexanone	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Dibromochloromethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2-Dibromoethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Chlorobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Ethylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
m,p-Xylene	ND	0.0020	EPA 8260	3-23-11	3-23-11	
o-Xylene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Styrene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Bromoform	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Isopropylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Bromobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
n-Propylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
2-Chlorotoluene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
4-Chlorotoluene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
tert-Butylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
sec-Butylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
p-Isopropyltoluene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
n-Butylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260	3-23-11	3-23-11	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Hexachlorobutadiene	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Naphthalene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***80***	***63-127***				
Toluene-d8	***84***	***65-129***				
4-Bromofluorobenzene	***91***	***55-121***				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0323S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0518**	**0.0537**	0.0500	0.0500	104	107	70-130	4	19	
Benzene	**0.0487**	**0.0491**	0.0500	0.0500	97	98	70-125	1	15	
Trichloroethene	**0.0514**	**0.0503**	0.0500	0.0500	103	101	70-122	2	14	
Toluene	**0.0510**	**0.0497**	0.0500	0.0500	102	99	73-120	3	16	
Chlorobenzene	**0.0490**	**0.0483**	0.0500	0.0500	98	97	74-109	1	12	
Surrogate:										
Dibromofluoromethane					***71***	***74***	***63-127***			
Toluene-d8					***78***	***81***	***65-129***			
4-Bromofluorobenzene					***82***	***86***	***55-121***			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-31-0311-W**					
Laboratory ID:	03-202-07					
Dichlorodifluoromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chloromethane	ND	1.0	EPA 8260	3-24-11	3-24-11	
Vinyl Chloride	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromomethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chloroethane	ND	1.0	EPA 8260	3-24-11	3-24-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Acetone	ND	5.0	EPA 8260	3-24-11	3-24-11	
Iodomethane	ND	1.0	EPA 8260	3-24-11	3-24-11	
Carbon Disulfide	ND	0.20	EPA 8260	3-24-11	3-24-11	
Methylene Chloride	ND	1.0	EPA 8260	3-24-11	3-24-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethane	0.26	0.20	EPA 8260	3-24-11	3-24-11	
Vinyl Acetate	ND	2.0	EPA 8260	3-24-11	3-24-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
(cis) 1,2-Dichloroethene	2.1	0.20	EPA 8260	3-24-11	3-24-11	
2-Butanone	ND	5.0	EPA 8260	3-24-11	3-24-11	
Bromochloromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chloroform	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Benzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Trichloroethene	0.83	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Dibromomethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromodichloromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	3-24-11	3-24-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	3-24-11	3-24-11	
Toluene	ND	1.0	EPA 8260	3-24-11	3-24-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-24-11	3-24-11	

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-31-0311-W**					
Laboratory ID:	03-202-07					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Tetrachloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Hexanone	ND	2.0	EPA 8260	3-24-11	3-24-11	
Dibromochloromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Ethylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
m,p-Xylene	ND	0.40	EPA 8260	3-24-11	3-24-11	
o-Xylene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Styrene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromoform	ND	1.0	EPA 8260	3-24-11	3-24-11	
Isopropylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
n-Propylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Chlorotoluene	ND	0.20	EPA 8260	3-24-11	3-24-11	
4-Chlorotoluene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
tert-Butylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
sec-Butylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
n-Butylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	3-24-11	3-24-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Naphthalene	ND	1.0	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***88***	***68-107***				
Toluene-d8	***91***	***73-102***				
4-Bromofluorobenzene	***88***	***65-104***				

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-32-0311-W**					
Laboratory ID:	03-202-09					
Dichlorodifluoromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chloromethane	ND	1.0	EPA 8260	3-24-11	3-24-11	
Vinyl Chloride	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromomethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chloroethane	ND	1.0	EPA 8260	3-24-11	3-24-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Acetone	ND	5.0	EPA 8260	3-24-11	3-24-11	
Iodomethane	ND	1.0	EPA 8260	3-24-11	3-24-11	
Carbon Disulfide	ND	0.20	EPA 8260	3-24-11	3-24-11	
Methylene Chloride	ND	1.0	EPA 8260	3-24-11	3-24-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Vinyl Acetate	ND	2.0	EPA 8260	3-24-11	3-24-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Butanone	ND	5.0	EPA 8260	3-24-11	3-24-11	
Bromochloromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chloroform	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Benzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Trichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Dibromomethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromodichloromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	3-24-11	3-24-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	3-24-11	3-24-11	
Toluene	ND	1.0	EPA 8260	3-24-11	3-24-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-24-11	3-24-11	

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-32-0311-W**					
Laboratory ID:	03-202-09					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Tetrachloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Hexanone	ND	2.0	EPA 8260	3-24-11	3-24-11	
Dibromochloromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Ethylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
m,p-Xylene	ND	0.40	EPA 8260	3-24-11	3-24-11	
o-Xylene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Styrene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromoform	ND	1.0	EPA 8260	3-24-11	3-24-11	
Isopropylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
n-Propylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Chlorotoluene	ND	0.20	EPA 8260	3-24-11	3-24-11	
4-Chlorotoluene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
tert-Butylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
sec-Butylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
n-Butylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	3-24-11	3-24-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Naphthalene	ND	1.0	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***84***	***68-107***				
Toluene-d8	***85***	***73-102***				
4-Bromofluorobenzene	***82***	***65-104***				

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TB-032211-W**					
Laboratory ID:	03-202-10					
Dichlorodifluoromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chloromethane	ND	1.0	EPA 8260	3-24-11	3-24-11	
Vinyl Chloride	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromomethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chloroethane	ND	1.0	EPA 8260	3-24-11	3-24-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Acetone	ND	5.0	EPA 8260	3-24-11	3-24-11	
Iodomethane	ND	1.0	EPA 8260	3-24-11	3-24-11	
Carbon Disulfide	ND	0.20	EPA 8260	3-24-11	3-24-11	
Methylene Chloride	ND	1.0	EPA 8260	3-24-11	3-24-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Vinyl Acetate	ND	2.0	EPA 8260	3-24-11	3-24-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Butanone	ND	5.0	EPA 8260	3-24-11	3-24-11	
Bromochloromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chloroform	0.97	0.20	EPA 8260	3-24-11	3-24-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Benzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Trichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Dibromomethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromodichloromethane	0.61	0.20	EPA 8260	3-24-11	3-24-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	3-24-11	3-24-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	3-24-11	3-24-11	
Toluene	ND	1.0	EPA 8260	3-24-11	3-24-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-24-11	3-24-11	

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TB-032211-W**					
Laboratory ID:	03-202-10					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Tetrachloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Hexanone	ND	2.0	EPA 8260	3-24-11	3-24-11	
Dibromochloromethane	0.21	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Ethylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
m,p-Xylene	ND	0.40	EPA 8260	3-24-11	3-24-11	
o-Xylene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Styrene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromoform	ND	1.0	EPA 8260	3-24-11	3-24-11	
Isopropylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
n-Propylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Chlorotoluene	ND	0.20	EPA 8260	3-24-11	3-24-11	
4-Chlorotoluene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
tert-Butylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
sec-Butylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
n-Butylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	3-24-11	3-24-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Naphthalene	ND	1.0	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***85***	***68-107***				
Toluene-d8	***85***	***73-102***				
4-Bromofluorobenzene	***81***	***65-104***				

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0324W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chloromethane	ND	1.0	EPA 8260	3-24-11	3-24-11	
Vinyl Chloride	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromomethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chloroethane	ND	1.0	EPA 8260	3-24-11	3-24-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Acetone	ND	5.0	EPA 8260	3-24-11	3-24-11	
Iodomethane	ND	1.0	EPA 8260	3-24-11	3-24-11	
Carbon Disulfide	ND	0.20	EPA 8260	3-24-11	3-24-11	
Methylene Chloride	ND	1.0	EPA 8260	3-24-11	3-24-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Vinyl Acetate	ND	2.0	EPA 8260	3-24-11	3-24-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Butanone	ND	5.0	EPA 8260	3-24-11	3-24-11	
Bromochloromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chloroform	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Benzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Trichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Dibromomethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromodichloromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	3-24-11	3-24-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	3-24-11	3-24-11	
Toluene	ND	1.0	EPA 8260	3-24-11	3-24-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-24-11	3-24-11	

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0324W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Tetrachloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Hexanone	ND	2.0	EPA 8260	3-24-11	3-24-11	
Dibromochloromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Ethylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
m,p-Xylene	ND	0.40	EPA 8260	3-24-11	3-24-11	
o-Xylene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Styrene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromoform	ND	1.0	EPA 8260	3-24-11	3-24-11	
Isopropylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
n-Propylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Chlorotoluene	ND	0.20	EPA 8260	3-24-11	3-24-11	
4-Chlorotoluene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
tert-Butylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
sec-Butylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
n-Butylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	3-24-11	3-24-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Naphthalene	ND	1.0	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***83***	***68-107***				
Toluene-d8	***84***	***73-102***				
4-Bromofluorobenzene	***81***	***65-104***				

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-177-07										
	MS	MSD	MS	MSD		MS	MSD				
1,1-Dichloroethene	**10.8**	**11.0**	10.0	10.0	ND	108	110	70-130	2	12	
Benzene	**10.1**	**10.1**	10.0	10.0	ND	101	101	84-123	0	11	
Trichloroethene	**10.1**	**10.2**	10.0	10.0	ND	101	102	80-117	1	14	
Toluene	**10.0**	**10.1**	10.0	10.0	ND	100	101	87-115	1	12	
Chlorobenzene	**10.3**	**10.1**	10.0	10.0	ND	103	101	86-117	2	13	
Surrogate:											
Dibromofluoromethane						***85***	***84***	***68-107***			
Toluene-d8						***85***	***86***	***73-102***			
4-Bromofluorobenzene						***84***	***82***	***65-104***			

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-35-0311-2**					
Laboratory ID:	03-202-01					
Naphthalene	**ND**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
2-Methylnaphthalene	**ND**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
1-Methylnaphthalene	**ND**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthylene	**ND**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthene	**ND**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Fluorene	**ND**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Phenanthrene	**ND**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Anthracene	**ND**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Fluoranthene	**0.027**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Pyrene	**0.031**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]anthracene	**0.017**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Chrysene	**0.021**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[b]fluoranthene	**0.013**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[k]fluoranthene	**0.014**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]pyrene	**0.017**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Indeno(1,2,3-c,d)pyrene	**0.0098**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Dibenz[a,h]anthracene	**ND**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[g,h,i]perylene	**0.012**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***78***	***43 - 109***				
Pyrene-d10	***88***	***38 - 128***				
Terphenyl-d14	***85***	***33 - 119***				

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-35-0311-6.5**					
Laboratory ID:	03-202-02					
Naphthalene	**0.063**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
2-Methylnaphthalene	**0.10**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
1-Methylnaphthalene	**0.070**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Acenaphthylene	**ND**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Acenaphthene	**ND**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Fluorene	**ND**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Phenanthrene	**0.33**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Anthracene	**0.048**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Fluoranthene	**1.5**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Pyrene	**1.6**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Benzo[a]anthracene	**3.7**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Chrysene	**5.7**	0.72	EPA 8270/SIM	3-23-11	3-25-11	
Benzo[b]fluoranthene	**5.9**	0.72	EPA 8270/SIM	3-23-11	3-25-11	
Benzo[k]fluoranthene	**4.0**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Benzo[a]pyrene	**3.2**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Indeno(1,2,3-c,d)pyrene	**2.3**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Dibenz[a,h]anthracene	**1.1**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Benzo[g,h,i]perylene	**2.5**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***66***	***43 - 109***				
Pyrene-d10	***64***	***38 - 128***				
Terphenyl-d14	***66***	***33 - 119***				

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-33-0311-4**					
Laboratory ID:	03-202-04					
Naphthalene	**0.36**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
2-Methylnaphthalene	**0.62**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
1-Methylnaphthalene	**1.1**	0.043	EPA 8270/SIM	3-23-11	3-25-11	
Acenaphthylene	**0.053**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthene	**0.36**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Fluorene	**0.66**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Phenanthrene	**0.59**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Anthracene	**0.37**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Fluoranthene	**0.50**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Pyrene	**0.41**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]anthracene	**0.11**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Chrysene	**0.14**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[b]fluoranthene	**0.035**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[k]fluoranthene	**0.024**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]pyrene	**0.033**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Indeno(1,2,3-c,d)pyrene	**0.018**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Dibenz[a,h]anthracene	**ND**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[g,h,i]perylene	**0.025**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***58***	***43 - 109***				
Pyrene-d10	***85***	***38 - 128***				
Terphenyl-d14	***81***	***33 - 119***				

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-31-0311-3**					
Laboratory ID:	03-202-06					
Naphthalene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
2-Methylnaphthalene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
1-Methylnaphthalene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthylene	**0.010**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Fluorene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Phenanthrene	**0.12**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Anthracene	**0.022**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Fluoranthene	**0.14**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Pyrene	**0.19**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]anthracene	**0.19**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Chrysene	**0.23**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[b]fluoranthene	**0.15**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[k]fluoranthene	**0.10**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]pyrene	**0.25**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Indeno(1,2,3-c,d)pyrene	**0.14**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Dibenz[a,h]anthracene	**0.16**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[g,h,i]perylene	**0.32**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***87***	***43 - 109***				
Pyrene-d10	***88***	***38 - 128***				
Terphenyl-d14	***86***	***33 - 119***				

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-32-0311-3**					
Laboratory ID:	03-202-08					
Naphthalene	**0.041**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
2-Methylnaphthalene	**0.024**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
1-Methylnaphthalene	**0.018**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthylene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthene	**0.069**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Fluorene	**0.038**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Phenanthrene	**4.0**	0.73	EPA 8270/SIM	3-23-11	3-25-11	
Anthracene	**ND**	0.73	EPA 8270/SIM	3-23-11	3-25-11	
Fluoranthene	**21**	0.73	EPA 8270/SIM	3-23-11	3-25-11	
Pyrene	**21**	0.73	EPA 8270/SIM	3-23-11	3-25-11	
Benzo[a]anthracene	**23**	0.73	EPA 8270/SIM	3-23-11	3-25-11	
Chrysene	**29**	0.73	EPA 8270/SIM	3-23-11	3-25-11	
Benzo[b]fluoranthene	**28**	0.73	EPA 8270/SIM	3-23-11	3-25-11	
Benzo[k]fluoranthene	**23**	0.73	EPA 8270/SIM	3-23-11	3-25-11	
Benzo[a]pyrene	**24**	0.73	EPA 8270/SIM	3-23-11	3-25-11	
Indeno(1,2,3-c,d)pyrene	**15**	0.73	EPA 8270/SIM	3-23-11	3-25-11	
Dibenz[a,h]anthracene	**5.5**	0.73	EPA 8270/SIM	3-23-11	3-25-11	
Benzo[g,h,i]perylene	**16**	0.73	EPA 8270/SIM	3-23-11	3-25-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***89***	***43 - 109***				
Pyrene-d10	***78***	***38 - 128***				
Terphenyl-d14	***76***	***33 - 119***				

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

PAHs by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0323S1					
Naphthalene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Fluorene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Anthracene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Pyrene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Chrysene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***78***	***43 - 109***				
Pyrene-d10	***87***	***38 - 128***				
Terphenyl-d14	***89***	***33 - 119***				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

PAHs by EPA 8270D/SIM
SB/SBD QUALITY CONTROL
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0323S1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0470**	**0.0519**	0.0833	0.0833	56	62	43 - 108	10	27	
Acenaphthylene	**0.0555**	**0.0666**	0.0833	0.0833	67	80	52 - 120	18	21	
Acenaphthene	**0.0597**	**0.0662**	0.0833	0.0833	72	79	59 - 113	10	17	
Fluorene	**0.0644**	**0.0691**	0.0833	0.0833	77	83	64 - 117	7	14	
Phenanthrene	**0.0655**	**0.0691**	0.0833	0.0833	79	83	67 - 112	5	12	
Anthracene	**0.0578**	**0.0623**	0.0833	0.0833	69	75	59 - 110	7	16	
Fluoranthene	**0.0669**	**0.0709**	0.0833	0.0833	80	85	68 - 120	6	15	
Pyrene	**0.0691**	**0.0746**	0.0833	0.0833	83	90	69 - 121	8	17	
Benzo[a]anthracene	**0.0625**	**0.0659**	0.0833	0.0833	75	79	63 - 114	5	12	
Chrysene	**0.0678**	**0.0718**	0.0833	0.0833	81	86	67 - 118	6	12	
Benzo[b]fluoranthene	**0.0591**	**0.0654**	0.0833	0.0833	71	79	58 - 125	10	20	
Benzo[k]fluoranthene	**0.0525**	**0.0590**	0.0833	0.0833	63	71	42 - 134	12	26	
Benzo[a]pyrene	**0.0542**	**0.0584**	0.0833	0.0833	65	70	55 - 111	7	19	
Indeno(1,2,3-c,d)pyrene	**0.0607**	**0.0653**	0.0833	0.0833	73	78	60 - 125	7	20	
Dibenz[a,h]anthracene	**0.0625**	**0.0671**	0.0833	0.0833	75	81	62 - 125	7	19	
Benzo[g,h,i]perylene	**0.0638**	**0.0681**	0.0833	0.0833	77	82	61 - 124	7	19	
Surrogate:										
2-Fluorobiphenyl					***64***	***72***	***43 - 109***			
Pyrene-d10					***80***	***85***	***38 - 128***			
Terphenyl-d14					***76***	***81***	***33 - 119***			

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-35-0311-W**					
Laboratory ID:	03-202-03					
Naphthalene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
2-Methylnaphthalene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
1-Methylnaphthalene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthylene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Fluorene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Phenanthrene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Anthracene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Fluoranthene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Pyrene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]anthracene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Chrysene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[b]fluoranthene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[k]fluoranthene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]pyrene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Dibenz[a,h]anthracene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[g,h,i]perylene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***72***	***38 - 105***				
Pyrene-d10	***77***	***37 - 121***				
Terphenyl-d14	***70***	***32 - 112***				

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-33-0311-W**					
Laboratory ID:	03-202-05					
Naphthalene	**0.16**	0.096	EPA 8270/SIM	3-23-11	3-24-11	
2-Methylnaphthalene	**ND**	0.096	EPA 8270/SIM	3-23-11	3-24-11	
1-Methylnaphthalene	**0.39**	0.096	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthylene	**ND**	0.096	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthene	**1.9**	0.096	EPA 8270/SIM	3-23-11	3-24-11	
Fluorene	**0.93**	0.096	EPA 8270/SIM	3-23-11	3-24-11	
Phenanthrene	**ND**	0.096	EPA 8270/SIM	3-23-11	3-24-11	
Anthracene	**0.18**	0.096	EPA 8270/SIM	3-23-11	3-24-11	
Fluoranthene	**0.14**	0.096	EPA 8270/SIM	3-23-11	3-24-11	
Pyrene	**0.10**	0.096	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]anthracene	**0.020**	0.0096	EPA 8270/SIM	3-23-11	3-24-11	
Chrysene	**0.022**	0.0096	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[b]fluoranthene	**ND**	0.0096	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[k]fluoranthene	**ND**	0.0096	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]pyrene	**ND**	0.0096	EPA 8270/SIM	3-23-11	3-24-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0096	EPA 8270/SIM	3-23-11	3-24-11	
Dibenz[a,h]anthracene	**ND**	0.0096	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[g,h,i]perylene	**ND**	0.0096	EPA 8270/SIM	3-23-11	3-24-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***75***	***38 - 105***				
Pyrene-d10	***84***	***37 - 121***				
Terphenyl-d14	***75***	***32 - 112***				

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-31-0311-W**					
Laboratory ID:	03-202-07					
Naphthalene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
2-Methylnaphthalene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
1-Methylnaphthalene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthylene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Fluorene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Phenanthrene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Anthracene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Fluoranthene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Pyrene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]anthracene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Chrysene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[b]fluoranthene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[k]fluoranthene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]pyrene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Dibenz[a,h]anthracene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[g,h,i]perylene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***81***	***38 - 105***				
Pyrene-d10	***88***	***37 - 121***				
Terphenyl-d14	***81***	***32 - 112***				

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-32-0311-W**					
Laboratory ID:	03-202-09					
Naphthalene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Fluorene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Anthracene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Fluoranthene	**0.18**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Pyrene	**0.17**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]anthracene	**0.16**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Chrysene	**0.23**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[b]fluoranthene	**0.21**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[k]fluoranthene	**0.16**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]pyrene	**0.18**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Indeno(1,2,3-c,d)pyrene	**0.12**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Dibenz[a,h]anthracene	**0.048**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[g,h,i]perylene	**0.14**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***63***	***38 - 105***				
Pyrene-d10	***63***	***37 - 121***				
Terphenyl-d14	***61***	***32 - 112***				

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

PAHs by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0323W1					
Naphthalene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Fluorene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Anthracene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Pyrene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Chrysene	**ND**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***77***	***38 - 105***				
Pyrene-d10	***79***	***37 - 121***				
Terphenyl-d14	***83***	***32 - 112***				

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

PAHs by EPA 8270D/SIM
SB/SBD QUALITY CONTROL
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0323W1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.297**	**0.321**	0.500	0.500	59	64	38 - 110	8	35	
Acenaphthylene	**0.324**	**0.364**	0.500	0.500	65	73	47 - 120	12	30	
Acenaphthene	**0.323**	**0.364**	0.500	0.500	65	73	46 - 113	12	26	
Fluorene	**0.340**	**0.387**	0.500	0.500	68	77	60 - 104	13	25	
Phenanthrene	**0.345**	**0.395**	0.500	0.500	69	79	61 - 99	14	19	
Anthracene	**0.337**	**0.385**	0.500	0.500	67	77	55 - 122	13	19	
Fluoranthene	**0.367**	**0.420**	0.500	0.500	73	84	58 - 129	13	18	
Pyrene	**0.373**	**0.422**	0.500	0.500	75	84	57 - 126	12	22	
Benzo[a]anthracene	**0.356**	**0.404**	0.500	0.500	71	81	51 - 124	13	18	
Chrysene	**0.377**	**0.426**	0.500	0.500	75	85	53 - 123	12	20	
Benzo[b]fluoranthene	**0.352**	**0.395**	0.500	0.500	70	79	53 - 126	12	18	
Benzo[k]fluoranthene	**0.350**	**0.408**	0.500	0.500	70	82	51 - 126	15	23	
Benzo[a]pyrene	**0.339**	**0.386**	0.500	0.500	68	77	52 - 127	13	21	
Indeno(1,2,3-c,d)pyrene	**0.350**	**0.401**	0.500	0.500	70	80	49 - 123	14	26	
Dibenz[a,h]anthracene	**0.343**	**0.401**	0.500	0.500	69	80	39 - 125	16	31	
Benzo[g,h,i]perylene	**0.348**	**0.400**	0.500	0.500	70	80	40 - 125	14	30	
Surrogate:										
2-Fluorobiphenyl					***61***	***68***	***38 - 105***			
Pyrene-d10					***74***	***83***	***37 - 121***			
Terphenyl-d14					***78***	***81***	***32 - 112***			

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

TOTAL METALS
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	03-202-03					
Client ID:	**KM-35-0311-W**					
Arsenic	**ND**	3.3	200.8	3-29-11	3-29-11	
Chromium	**ND**	11	200.8	3-29-11	3-29-11	
Lead	**ND**	1.1	200.8	3-29-11	3-29-11	
Lab ID:	03-202-05					
Client ID:	**KM-33-0311-W**					
Arsenic	**8.2**	3.3	200.8	3-29-11	3-29-11	
Chromium	**25**	11	200.8	3-29-11	3-29-11	
Lead	**6.5**	1.1	200.8	3-29-11	3-29-11	

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

TOTAL METALS
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Extracted:	3-29-11
Date Analyzed:	3-29-11
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0329W2

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Chromium	200.8	**ND**	11
Lead	200.8	**ND**	1.1

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

TOTAL METALS
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Extracted: 3-29-11
Date Analyzed: 3-29-11

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-229-04

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**17.1**	**16.6**	3	3.3	
Chromium	**ND**	**ND**	NA	11	
Lead	**2.93**	**2.83**	3	1.1	

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

TOTAL METALS
EPA 200.8
MS/MSD QUALITY CONTROL

Date Extracted: 3-29-11
Date Analyzed: 3-29-11

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-229-04

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	110	**131**	104	**132**	104	0	
Chromium	110	**106**	96	**107**	97	1	
Lead	110	**119**	105	**121**	107	2	

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

% MOISTURE

Date Analyzed: 3-23-11

Client ID	Lab ID	% Moisture
KM-35-0311-2	03-202-01	6
KM-35-0311-6.5	03-202-02	7
KM-33-0311-4	03-202-04	22
KM-31-0311-3	03-202-06	9
KM-32-0311-3	03-202-08	8

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC Geomatrix
Project Number: 0146970030
Project Name: Kelly Moore Paint
Project Manager: Tasya Gray
Sampled by: Shauna Mikelich

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Days ☐ 3 Days
- ☒ Standard (7 Days) (TPH analysis 5 Days)
- ☐ _____ (other)

Laboratory Number: 03-202

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260B	Halogenated Volatiles 8260B	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081A	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA / MTCA Metals (circle one) As, Pb, Cr	TCLP Metals	HEM (oil and grease) 1664							% Moisture
1	km-35-0311-2	3/22/11	0821	S	3 2 dm		X						X														X
2	km-35-0311-6.5	3/22/11	0833	S	3 2 dm		X						X														X
3	km-35-0311-W	3/22/11	0910	SW dm	5		X						X					X									
4	km-33-0311-4	3/22/11	1006	S	2		X						X														X
5	km-33-0311-W	3/22/11	1050	SW dm	5		X						X					X									
6	km-31-0311-3	3/22/11	1152	S	5			X		X			X														X
7	km-31-0311-W	3/22/11	1238	W	7			X		X			X														
8	km-32-0311-3	3/22/11	1312	S	5			X		X			X														X
9	km-32-0311-W	3/22/11	1405	W	7			X		X			X														
10	TB-032211-W	3/22/11	—	W	1					X																	

	Signature	Company	Date	Time
Relinquished		AMEC Geomatrix	3/22/11	1610
Received			3/22/11	1610
Relinquished				
Received				
Relinquished				
Received				

Comments/Special Instructions

Reviewed/Date

Reviewed/Date

Chromatograms with final report ☐

Data Package: Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

April 4, 2011

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 0146970030
Laboratory Reference No. 1103-217

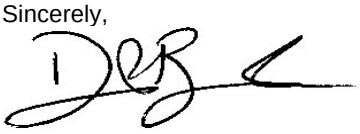
Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 23, 2011.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,



David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

Case Narrative

Samples were collected on March 23, 2011 and received by the laboratory on March 23, 2011. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The chromatograms for samples KM-30-0311-2' and KM-30-0311-5 are similar to mineral spirits.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Volatiles EPA 8260B (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Some MTCA Method A cleanup levels are non-achievable for samples KM-30-0311-2' and KM-30-0311-5 due to the necessary dilution of the samples.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

PAHs EPA 8270D/SIM (water) Analysis

Due to sample matrix of sample KM-30-0311-W, the dilution of the sample increased the PQL's.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-0311-2'**					
Laboratory ID:	03-217-02					
Gasoline	**400**	4.7	NWTPH-Gx	3-25-11	3-28-11	Z
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***100***	***68-124***				
Client ID:	**KM-30-0311-5**					
Laboratory ID:	03-217-03					
Gasoline	**6000**	180	NWTPH-Gx	3-25-11	3-29-11	Z
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***---***	***68-124***				S

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

NWTPH-Gx
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0325S1					
Gasoline	**ND**	5.0	NWTPH-Gx	3-25-11	3-28-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***99***	***68-124***				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-224-01										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						***99***	***98***	***68-124***			

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-0311-W**					
Laboratory ID:	03-217-04					
Gasoline	**840**	100	NWTPH-Gx	3-25-11	3-25-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***101***	***73-121***				

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

NWTPH-Gx
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0325W2					
Gasoline	**ND**	100	NWTPH-Gx	3-25-11	3-25-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***104***	***73-121***				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-213-01										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						***102***	***105***	***73-121***			

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-0311-2'**					
Laboratory ID:	03-217-02					
Dichlorodifluoromethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
Chloromethane	ND	0.27	EPA 8260	3-24-11	3-24-11	
Vinyl Chloride	ND	0.055	EPA 8260	3-24-11	3-24-11	
Bromomethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
Chloroethane	ND	0.27	EPA 8260	3-24-11	3-24-11	
Trichlorofluoromethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethene	ND	0.055	EPA 8260	3-24-11	3-24-11	
Acetone	ND	0.27	EPA 8260	3-24-11	3-24-11	
Iodomethane	ND	0.27	EPA 8260	3-24-11	3-24-11	
Carbon Disulfide	ND	0.055	EPA 8260	3-24-11	3-24-11	
Methylene Chloride	ND	0.27	EPA 8260	3-24-11	3-24-11	
(trans) 1,2-Dichloroethene	ND	0.055	EPA 8260	3-24-11	3-24-11	
Methyl t-Butyl Ether	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
Vinyl Acetate	ND	0.27	EPA 8260	3-24-11	3-24-11	
2,2-Dichloropropane	ND	0.055	EPA 8260	3-24-11	3-24-11	
(cis) 1,2-Dichloroethene	ND	0.055	EPA 8260	3-24-11	3-24-11	
2-Butanone	ND	0.27	EPA 8260	3-24-11	3-24-11	
Bromochloromethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
Chloroform	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,1,1-Trichloroethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
Carbon Tetrachloride	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,1-Dichloropropene	ND	0.055	EPA 8260	3-24-11	3-24-11	
Benzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,2-Dichloroethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
Trichloroethene	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,2-Dichloropropane	ND	0.055	EPA 8260	3-24-11	3-24-11	
Dibromomethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
Bromodichloromethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
2-Chloroethyl Vinyl Ether	ND	0.27	EPA 8260	3-24-11	3-24-11	
(cis) 1,3-Dichloropropene	ND	0.055	EPA 8260	3-24-11	3-24-11	
Methyl Isobutyl Ketone	ND	0.27	EPA 8260	3-24-11	3-24-11	
Toluene	ND	0.27	EPA 8260	3-24-11	3-24-11	
(trans) 1,3-Dichloropropene	ND	0.055	EPA 8260	3-24-11	3-24-11	

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-0311-2'**					
Laboratory ID:	03-217-02					
1,1,2-Trichloroethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
Tetrachloroethene	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,3-Dichloropropane	ND	0.055	EPA 8260	3-24-11	3-24-11	
2-Hexanone	ND	0.27	EPA 8260	3-24-11	3-24-11	
Dibromochloromethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,2-Dibromoethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
Chlorobenzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,1,1,2-Tetrachloroethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
Ethylbenzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
m,p-Xylene	ND	0.11	EPA 8260	3-24-11	3-24-11	
o-Xylene	ND	0.055	EPA 8260	3-24-11	3-24-11	
Styrene	ND	0.055	EPA 8260	3-24-11	3-24-11	
Bromoform	ND	0.055	EPA 8260	3-24-11	3-24-11	
Isopropylbenzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
Bromobenzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,1,2,2-Tetrachloroethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichloropropane	ND	0.055	EPA 8260	3-24-11	3-24-11	
n-Propylbenzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
2-Chlorotoluene	ND	0.055	EPA 8260	3-24-11	3-24-11	
4-Chlorotoluene	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,3,5-Trimethylbenzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
tert-Butylbenzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,2,4-Trimethylbenzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
sec-Butylbenzene	0.12	0.055	EPA 8260	3-24-11	3-24-11	
1,3-Dichlorobenzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
p-Isopropyltoluene	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,4-Dichlorobenzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,2-Dichlorobenzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
n-Butylbenzene	0.11	0.055	EPA 8260	3-24-11	3-24-11	
1,2-Dibromo-3-chloropropane	ND	0.27	EPA 8260	3-24-11	3-24-11	
1,2,4-Trichlorobenzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
Hexachlorobutadiene	ND	0.27	EPA 8260	3-24-11	3-24-11	
Naphthalene	0.19	0.055	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichlorobenzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***73***	***63-127***				
Toluene-d8	***78***	***65-129***				
4-Bromofluorobenzene	***81***	***55-121***				

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-0311-5**					
Laboratory ID:	03-217-03					
Dichlorodifluoromethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
Chloromethane	ND	2.4	EPA 8260	3-24-11	3-24-11	
Vinyl Chloride	ND	0.48	EPA 8260	3-24-11	3-24-11	
Bromomethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
Chloroethane	ND	2.4	EPA 8260	3-24-11	3-24-11	
Trichlorofluoromethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethene	ND	0.48	EPA 8260	3-24-11	3-24-11	
Acetone	ND	2.4	EPA 8260	3-24-11	3-24-11	
Iodomethane	ND	2.4	EPA 8260	3-24-11	3-24-11	
Carbon Disulfide	ND	0.48	EPA 8260	3-24-11	3-24-11	
Methylene Chloride	ND	2.4	EPA 8260	3-24-11	3-24-11	
(trans) 1,2-Dichloroethene	ND	0.48	EPA 8260	3-24-11	3-24-11	
Methyl t-Butyl Ether	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
Vinyl Acetate	ND	2.4	EPA 8260	3-24-11	3-24-11	
2,2-Dichloropropane	ND	0.48	EPA 8260	3-24-11	3-24-11	
(cis) 1,2-Dichloroethene	ND	0.48	EPA 8260	3-24-11	3-24-11	
2-Butanone	ND	2.4	EPA 8260	3-24-11	3-24-11	
Bromochloromethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
Chloroform	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,1,1-Trichloroethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
Carbon Tetrachloride	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,1-Dichloropropene	ND	0.48	EPA 8260	3-24-11	3-24-11	
Benzene	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,2-Dichloroethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
Trichloroethene	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,2-Dichloropropane	ND	0.48	EPA 8260	3-24-11	3-24-11	
Dibromomethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
Bromodichloromethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
2-Chloroethyl Vinyl Ether	ND	2.4	EPA 8260	3-24-11	3-24-11	
(cis) 1,3-Dichloropropene	ND	0.48	EPA 8260	3-24-11	3-24-11	
Methyl Isobutyl Ketone	ND	2.4	EPA 8260	3-24-11	3-24-11	
Toluene	ND	2.4	EPA 8260	3-24-11	3-24-11	
(trans) 1,3-Dichloropropene	ND	0.48	EPA 8260	3-24-11	3-24-11	

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-0311-5**					
Laboratory ID:	03-217-03					
1,1,2-Trichloroethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
Tetrachloroethene	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,3-Dichloropropane	ND	0.48	EPA 8260	3-24-11	3-24-11	
2-Hexanone	ND	2.4	EPA 8260	3-24-11	3-24-11	
Dibromochloromethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,2-Dibromoethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
Chlorobenzene	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,1,1,2-Tetrachloroethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
Ethylbenzene	ND	0.48	EPA 8260	3-24-11	3-24-11	
m,p-Xylene	ND	0.95	EPA 8260	3-24-11	3-24-11	
o-Xylene	ND	0.48	EPA 8260	3-24-11	3-24-11	
Styrene	ND	0.48	EPA 8260	3-24-11	3-24-11	
Bromoform	ND	0.48	EPA 8260	3-24-11	3-24-11	
Isopropylbenzene	4.2	0.48	EPA 8260	3-24-11	3-24-11	
Bromobenzene	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,1,2,2-Tetrachloroethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichloropropane	ND	0.48	EPA 8260	3-24-11	3-24-11	
n-Propylbenzene	6.7	0.48	EPA 8260	3-24-11	3-24-11	
2-Chlorotoluene	ND	0.48	EPA 8260	3-24-11	3-24-11	
4-Chlorotoluene	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,3,5-Trimethylbenzene	ND	0.48	EPA 8260	3-24-11	3-24-11	
tert-Butylbenzene	0.86	0.48	EPA 8260	3-24-11	3-24-11	
1,2,4-Trimethylbenzene	ND	0.48	EPA 8260	3-24-11	3-24-11	
sec-Butylbenzene	14	0.48	EPA 8260	3-24-11	3-24-11	
1,3-Dichlorobenzene	ND	0.48	EPA 8260	3-24-11	3-24-11	
p-Isopropyltoluene	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,4-Dichlorobenzene	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,2-Dichlorobenzene	ND	0.48	EPA 8260	3-24-11	3-24-11	
n-Butylbenzene	7.0	0.48	EPA 8260	3-24-11	3-24-11	
1,2-Dibromo-3-chloropropane	ND	2.4	EPA 8260	3-24-11	3-24-11	
1,2,4-Trichlorobenzene	ND	0.48	EPA 8260	3-24-11	3-24-11	
Hexachlorobutadiene	ND	2.4	EPA 8260	3-24-11	3-24-11	
Naphthalene	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichlorobenzene	ND	0.48	EPA 8260	3-24-11	3-24-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***74***	***63-127***				
Toluene-d8	***80***	***65-129***				
4-Bromofluorobenzene	***86***	***55-121***				

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0324S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Chloromethane	ND	0.0050	EPA 8260	3-24-11	3-24-11	
Vinyl Chloride	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Bromomethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Chloroethane	ND	0.0050	EPA 8260	3-24-11	3-24-11	
Trichlorofluoromethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Acetone	ND	0.0050	EPA 8260	3-24-11	3-24-11	
Iodomethane	ND	0.0050	EPA 8260	3-24-11	3-24-11	
Carbon Disulfide	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Methylene Chloride	ND	0.0050	EPA 8260	3-24-11	3-24-11	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Vinyl Acetate	ND	0.0050	EPA 8260	3-24-11	3-24-11	
2,2-Dichloropropane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
2-Butanone	ND	0.0050	EPA 8260	3-24-11	3-24-11	
Bromochloromethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Chloroform	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Carbon Tetrachloride	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,1-Dichloropropene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Benzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,2-Dichloroethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Trichloroethene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,2-Dichloropropane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Dibromomethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Bromodichloromethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260	3-24-11	3-24-11	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260	3-24-11	3-24-11	
Toluene	ND	0.0050	EPA 8260	3-24-11	3-24-11	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260	3-24-11	3-24-11	

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0324S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Tetrachloroethene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,3-Dichloropropane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
2-Hexanone	ND	0.0050	EPA 8260	3-24-11	3-24-11	
Dibromochloromethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,2-Dibromoethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Chlorobenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Ethylbenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
m,p-Xylene	ND	0.0020	EPA 8260	3-24-11	3-24-11	
o-Xylene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Styrene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Bromoform	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Isopropylbenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Bromobenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
n-Propylbenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
2-Chlorotoluene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
4-Chlorotoluene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
tert-Butylbenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
sec-Butylbenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
p-Isopropyltoluene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
n-Butylbenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260	3-24-11	3-24-11	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Hexachlorobutadiene	ND	0.0050	EPA 8260	3-24-11	3-24-11	
Naphthalene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***79***	***63-127***				
Toluene-d8	***85***	***65-129***				
4-Bromofluorobenzene	***90***	***55-121***				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-228-01										
	MS	MSD	MS	MSD		MS	MSD				
1,1-Dichloroethene	**0.0508**	**0.0507**	0.0500	0.0500	ND	102	101	70-130	0	19	
Benzene	**0.0478**	**0.0455**	0.0500	0.0500	ND	96	91	70-130	5	21	
Trichloroethene	**0.0490**	**0.0459**	0.0500	0.0500	ND	98	92	70-122	7	21	
Toluene	**0.0463**	**0.0441**	0.0500	0.0500	ND	93	88	70-126	5	20	
Chlorobenzene	**0.0449**	**0.0395**	0.0500	0.0500	ND	90	79	70-113	13	18	
Surrogate:											
Dibromofluoromethane						***71***	***71***	***63-127***			
Toluene-d8						***75***	***79***	***65-129***			
4-Bromofluorobenzene						***71***	***75***	***55-121***			

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TB-032311**					
Laboratory ID:	03-217-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chloromethane	ND	1.0	EPA 8260	3-25-11	3-25-11	
Vinyl Chloride	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromomethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chloroethane	ND	1.0	EPA 8260	3-25-11	3-25-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Acetone	ND	5.0	EPA 8260	3-25-11	3-25-11	
Iodomethane	ND	1.0	EPA 8260	3-25-11	3-25-11	
Carbon Disulfide	ND	0.20	EPA 8260	3-25-11	3-25-11	
Methylene Chloride	ND	1.0	EPA 8260	3-25-11	3-25-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Vinyl Acetate	ND	2.0	EPA 8260	3-25-11	3-25-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Butanone	ND	5.0	EPA 8260	3-25-11	3-25-11	
Bromochloromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chloroform	0.93	0.20	EPA 8260	3-25-11	3-25-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Benzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Trichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Dibromomethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromodichloromethane	0.53	0.20	EPA 8260	3-25-11	3-25-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	3-25-11	3-25-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	3-25-11	3-25-11	
Toluene	ND	1.0	EPA 8260	3-25-11	3-25-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-25-11	3-25-11	

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TB-032311**					
Laboratory ID:	03-217-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Tetrachloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Hexanone	ND	2.0	EPA 8260	3-25-11	3-25-11	
Dibromochloromethane	0.23	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Ethylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
m,p-Xylene	ND	0.40	EPA 8260	3-25-11	3-25-11	
o-Xylene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Styrene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromoform	ND	1.0	EPA 8260	3-25-11	3-25-11	
Isopropylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
n-Propylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Chlorotoluene	ND	0.20	EPA 8260	3-25-11	3-25-11	
4-Chlorotoluene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
tert-Butylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
sec-Butylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
n-Butylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	3-25-11	3-25-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Naphthalene	ND	1.0	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***80***	***68-107***				
Toluene-d8	***85***	***73-102***				
4-Bromofluorobenzene	***81***	***65-104***				

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-0311-W**					
Laboratory ID:	03-217-04					
Dichlorodifluoromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chloromethane	ND	1.0	EPA 8260	3-25-11	3-25-11	
Vinyl Chloride	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromomethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chloroethane	ND	1.0	EPA 8260	3-25-11	3-25-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Acetone	ND	5.0	EPA 8260	3-25-11	3-25-11	
Iodomethane	ND	1.0	EPA 8260	3-25-11	3-25-11	
Carbon Disulfide	ND	0.20	EPA 8260	3-25-11	3-25-11	
Methylene Chloride	ND	1.0	EPA 8260	3-25-11	3-25-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Vinyl Acetate	ND	2.0	EPA 8260	3-25-11	3-25-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Butanone	ND	5.0	EPA 8260	3-25-11	3-25-11	
Bromochloromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chloroform	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Benzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Trichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Dibromomethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromodichloromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	3-25-11	3-25-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	3-25-11	3-25-11	
Toluene	ND	1.0	EPA 8260	3-25-11	3-25-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-25-11	3-25-11	

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-0311-W**					
Laboratory ID:	03-217-04					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Tetrachloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Hexanone	ND	2.0	EPA 8260	3-25-11	3-25-11	
Dibromochloromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Ethylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
m,p-Xylene	ND	0.40	EPA 8260	3-25-11	3-25-11	
o-Xylene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Styrene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromoform	ND	1.0	EPA 8260	3-25-11	3-25-11	
Isopropylbenzene	8.0	0.20	EPA 8260	3-25-11	3-25-11	
Bromobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
n-Propylbenzene	10	0.20	EPA 8260	3-25-11	3-25-11	
2-Chlorotoluene	ND	0.20	EPA 8260	3-25-11	3-25-11	
4-Chlorotoluene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
tert-Butylbenzene	1.0	0.20	EPA 8260	3-25-11	3-25-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
sec-Butylbenzene	12	0.20	EPA 8260	3-25-11	3-25-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
n-Butylbenzene	4.3	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	3-25-11	3-25-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Naphthalene	ND	1.0	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***83***	***68-107***				
Toluene-d8	***86***	***73-102***				
4-Bromofluorobenzene	***90***	***65-104***				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0325W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chloromethane	ND	1.0	EPA 8260	3-25-11	3-25-11	
Vinyl Chloride	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromomethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chloroethane	ND	1.0	EPA 8260	3-25-11	3-25-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Acetone	ND	5.0	EPA 8260	3-25-11	3-25-11	
Iodomethane	ND	1.0	EPA 8260	3-25-11	3-25-11	
Carbon Disulfide	ND	0.20	EPA 8260	3-25-11	3-25-11	
Methylene Chloride	ND	1.0	EPA 8260	3-25-11	3-25-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Vinyl Acetate	ND	2.0	EPA 8260	3-25-11	3-25-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Butanone	ND	5.0	EPA 8260	3-25-11	3-25-11	
Bromochloromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chloroform	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Benzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Trichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Dibromomethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromodichloromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	3-25-11	3-25-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	3-25-11	3-25-11	
Toluene	ND	1.0	EPA 8260	3-25-11	3-25-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-25-11	3-25-11	

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0325W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Tetrachloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Hexanone	ND	2.0	EPA 8260	3-25-11	3-25-11	
Dibromochloromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Ethylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
m,p-Xylene	ND	0.40	EPA 8260	3-25-11	3-25-11	
o-Xylene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Styrene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromoform	ND	1.0	EPA 8260	3-25-11	3-25-11	
Isopropylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
n-Propylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Chlorotoluene	ND	0.20	EPA 8260	3-25-11	3-25-11	
4-Chlorotoluene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
tert-Butylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
sec-Butylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
n-Butylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	3-25-11	3-25-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Naphthalene	ND	1.0	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***83***	***68-107***				
Toluene-d8	***84***	***73-102***				
4-Bromofluorobenzene	***84***	***65-104***				

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0325W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**10.5**	**10.3**	10.0	10.0	105	103	70-130	2	11	
Benzene	**10.0**	**9.72**	10.0	10.0	100	97	79-123	3	8	
Trichloroethene	**9.70**	**9.67**	10.0	10.0	97	97	82-113	0	9	
Toluene	**9.82**	**9.87**	10.0	10.0	98	99	84-113	1	8	
Chlorobenzene	**10.0**	**10.2**	10.0	10.0	100	102	89-111	2	8	
Surrogate:										
Dibromofluoromethane					***82***	***82***	***68-107***			
Toluene-d8					***84***	***86***	***73-102***			
4-Bromofluorobenzene					***80***	***82***	***65-104***			

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-0311-2'**					
Laboratory ID:	03-217-02					
Naphthalene	**1.2**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
2-Methylnaphthalene	**0.73**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
1-Methylnaphthalene	**0.47**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Acenaphthylene	**0.053**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Acenaphthene	**0.18**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Fluorene	**0.25**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Phenanthrene	**1.0**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Anthracene	**0.18**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Fluoranthene	**0.72**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Pyrene	**0.74**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[a]anthracene	**0.37**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Chrysene	**0.54**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[b]fluoranthene	**0.48**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[k]fluoranthene	**0.39**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[a]pyrene	**0.37**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Indeno(1,2,3-c,d)pyrene	**0.33**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Dibenz[a,h]anthracene	**0.12**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[g,h,i]perylene	**0.40**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***79***	***43 - 109***				
Pyrene-d10	***77***	***38 - 128***				
Terphenyl-d14	***73***	***33 - 119***				

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-0311-5**					
Laboratory ID:	03-217-03					
Naphthalene	**1.3**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
2-Methylnaphthalene	**1.7**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
1-Methylnaphthalene	**1.5**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Acenaphthylene	**ND**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Acenaphthene	**0.92**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Fluorene	**0.71**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Phenanthrene	**3.2**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Anthracene	**0.56**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Fluoranthene	**2.8**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Pyrene	**2.5**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[a]anthracene	**1.5**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Chrysene	**2.1**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[b]fluoranthene	**1.7**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[k]fluoranthene	**1.2**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[a]pyrene	**1.4**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Indeno(1,2,3-c,d)pyrene	**0.82**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Dibenz[a,h]anthracene	**ND**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[g,h,i]perylene	**1.1**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***63***	***43 - 109***				
Pyrene-d10	***71***	***38 - 128***				
Terphenyl-d14	***74***	***33 - 119***				

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

PAHs by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0325S1					
Naphthalene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Fluorene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Anthracene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Pyrene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Chrysene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***88***	***43 - 109***				
Pyrene-d10	***93***	***38 - 128***				
Terphenyl-d14	***85***	***33 - 119***				

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

PAHs by EPA 8270D/SIM
MS/MSD QUALITY CONTROL
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-218-03										
	MS	MSD	MS	MSD		MS	MSD				
Naphthalene	**0.0661**	**0.0606**	0.0833	0.0833	ND	79	73	39 - 110	9	21	
Acenaphthylene	**0.0683**	**0.0617**	0.0833	0.0833	ND	82	74	47 - 124	10	21	
Acenaphthene	**0.0667**	**0.0605**	0.0833	0.0833	ND	80	73	50 - 120	10	20	
Fluorene	**0.0671**	**0.0624**	0.0833	0.0833	ND	81	75	52 - 126	7	21	
Phenanthrene	**0.0708**	**0.0627**	0.0833	0.0833	ND	85	75	41 - 130	12	22	
Anthracene	**0.0641**	**0.0585**	0.0833	0.0833	ND	77	70	48 - 124	9	23	
Fluoranthene	**0.0758**	**0.0656**	0.0833	0.0833	ND	91	79	40 - 137	14	23	
Pyrene	**0.0756**	**0.0678**	0.0833	0.0833	ND	91	81	36 - 139	11	23	
Benzo[a]anthracene	**0.0629**	**0.0569**	0.0833	0.0833	ND	76	68	43 - 127	10	21	
Chrysene	**0.0656**	**0.0584**	0.0833	0.0833	ND	79	70	41 - 133	12	19	
Benzo[b]fluoranthene	**0.0674**	**0.0593**	0.0833	0.0833	ND	81	71	40 - 132	13	25	
Benzo[k]fluoranthene	**0.0674**	**0.0594**	0.0833	0.0833	ND	81	71	35 - 132	13	25	
Benzo[a]pyrene	**0.0654**	**0.0604**	0.0833	0.0833	ND	79	73	37 - 131	8	26	
Indeno(1,2,3-c,d)pyrene	**0.0744**	**0.0687**	0.0833	0.0833	ND	89	82	39 - 134	8	23	
Dibenz[a,h]anthracene	**0.0733**	**0.0679**	0.0833	0.0833	ND	88	82	40 - 137	8	21	
Benzo[g,h,i]perylene	**0.0702**	**0.0656**	0.0833	0.0833	ND	84	79	35 - 135	7	22	
Surrogate:											
2-Fluorobiphenyl						***76***	***69***	***43 - 109***			
Pyrene-d10						***84***	***78***	***38 - 128***			
Terphenyl-d14						***71***	***65***	***33 - 119***			

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-0311-W**					
Laboratory ID:	03-217-04					
Naphthalene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-2-11	
2-Methylnaphthalene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-2-11	
1-Methylnaphthalene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-2-11	
Acenaphthylene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-2-11	
Acenaphthene	**0.96**	0.96	EPA 8270/SIM	3-28-11	4-2-11	
Fluorene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-2-11	
Phenanthrene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-2-11	
Anthracene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-2-11	
Fluoranthene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-2-11	
Pyrene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-2-11	
Benzo[a]anthracene	**ND**	0.096	EPA 8270/SIM	3-28-11	4-2-11	
Chrysene	**ND**	0.096	EPA 8270/SIM	3-28-11	4-2-11	
Benzo[b]fluoranthene	**ND**	0.096	EPA 8270/SIM	3-28-11	4-2-11	
Benzo[k]fluoranthene	**ND**	0.096	EPA 8270/SIM	3-28-11	4-2-11	
Benzo[a]pyrene	**ND**	0.096	EPA 8270/SIM	3-28-11	4-2-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.096	EPA 8270/SIM	3-28-11	4-2-11	
Dibenz[a,h]anthracene	**ND**	0.096	EPA 8270/SIM	3-28-11	4-2-11	
Benzo[g,h,i]perylene	**ND**	0.096	EPA 8270/SIM	3-28-11	4-2-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***51***	***38 - 105***				
Pyrene-d10	***72***	***37 - 121***				
Terphenyl-d14	***57***	***32 - 112***				

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

PAHs by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0328W1					
Naphthalene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Fluorene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Anthracene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Pyrene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Chrysene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***78***	***38 - 105***				
Pyrene-d10	***98***	***37 - 121***				
Terphenyl-d14	***90***	***32 - 112***				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

PAHs by EPA 8270D/SIM
SB/SBD QUALITY CONTROL
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0328W1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.316**	**0.318**	0.500	0.500	63	64	38 - 110	1	35	
Acenaphthylene	**0.343**	**0.398**	0.500	0.500	69	80	47 - 120	15	30	
Acenaphthene	**0.345**	**0.390**	0.500	0.500	69	78	46 - 113	12	26	
Fluorene	**0.442**	**0.353**	0.500	0.500	88	71	60 - 104	22	25	
Phenanthrene	**0.368**	**0.403**	0.500	0.500	74	81	61 - 99	9	19	
Anthracene	**0.377**	**0.383**	0.500	0.500	75	77	55 - 122	2	19	
Fluoranthene	**0.424**	**0.441**	0.500	0.500	85	88	58 - 129	4	18	
Pyrene	**0.394**	**0.412**	0.500	0.500	79	82	57 - 126	4	22	
Benzo[a]anthracene	**0.343**	**0.382**	0.500	0.500	69	76	51 - 124	11	18	
Chrysene	**0.336**	**0.378**	0.500	0.500	67	76	53 - 123	12	20	
Benzo[b]fluoranthene	**0.387**	**0.441**	0.500	0.500	77	88	53 - 126	13	18	
Benzo[k]fluoranthene	**0.417**	**0.419**	0.500	0.500	83	84	51 - 126	0	23	
Benzo[a]pyrene	**0.335**	**0.384**	0.500	0.500	67	77	52 - 127	14	21	
Indeno(1,2,3-c,d)pyrene	**0.379**	**0.413**	0.500	0.500	76	83	49 - 123	9	26	
Dibenz[a,h]anthracene	**0.387**	**0.418**	0.500	0.500	77	84	39 - 125	8	31	
Benzo[g,h,i]perylene	**0.368**	**0.388**	0.500	0.500	74	78	40 - 125	5	30	
Surrogate:										
2-Fluorobiphenyl					***64***	***69***	***38 - 105***			
Pyrene-d10					***85***	***86***	***37 - 121***			
Terphenyl-d14					***72***	***73***	***32 - 112***			

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-38-0311-2**					
Laboratory ID:	03-217-05					
Aroclor 1016	**ND**	0.051	EPA 8082	3-25-11	3-25-11	
Aroclor 1221	**ND**	0.051	EPA 8082	3-25-11	3-25-11	
Aroclor 1232	**ND**	0.051	EPA 8082	3-25-11	3-25-11	
Aroclor 1242	**ND**	0.051	EPA 8082	3-25-11	3-25-11	
Aroclor 1248	**ND**	0.051	EPA 8082	3-25-11	3-25-11	
Aroclor 1254	**ND**	0.051	EPA 8082	3-25-11	3-25-11	
Aroclor 1260	**ND**	0.051	EPA 8082	3-25-11	3-25-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***90***	***42-123***				
Client ID:	**KM-38-0311-5**					
Laboratory ID:	03-217-06					
Aroclor 1016	**ND**	0.054	EPA 8082	3-25-11	3-25-11	
Aroclor 1221	**ND**	0.054	EPA 8082	3-25-11	3-25-11	
Aroclor 1232	**ND**	0.054	EPA 8082	3-25-11	3-25-11	
Aroclor 1242	**ND**	0.054	EPA 8082	3-25-11	3-25-11	
Aroclor 1248	**ND**	0.054	EPA 8082	3-25-11	3-25-11	
Aroclor 1254	**ND**	0.054	EPA 8082	3-25-11	3-25-11	
Aroclor 1260	**0.24**	0.054	EPA 8082	3-25-11	3-25-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***82***	***42-123***				
Client ID:	**KM-43-0311-2**					
Laboratory ID:	03-217-07					
Aroclor 1016	**ND**	0.052	EPA 8082	3-25-11	3-25-11	
Aroclor 1221	**ND**	0.052	EPA 8082	3-25-11	3-25-11	
Aroclor 1232	**ND**	0.052	EPA 8082	3-25-11	3-25-11	
Aroclor 1242	**ND**	0.052	EPA 8082	3-25-11	3-25-11	
Aroclor 1248	**ND**	0.052	EPA 8082	3-25-11	3-25-11	
Aroclor 1254	**ND**	0.052	EPA 8082	3-25-11	3-25-11	
Aroclor 1260	**0.17**	0.052	EPA 8082	3-25-11	3-25-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***82***	***42-123***				

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0325S1					
Aroclor 1016	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1221	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1232	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1242	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1248	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1254	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1260	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***87***	***42-123***				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-217-05										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.450**	**0.451**	0.500	0.500	ND	**90**	**90**	44-125	0	15	
Surrogate:											
DCB						***91***	***91***	***42-123***			

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

% MOISTURE

Date Analyzed: 3-24&25-11

Client ID	Lab ID	% Moisture
KM-30-0311-2'	03-217-02	12
KM-30-0311-5	03-217-03	29
KM-38-0311-2	03-217-05	3
KM-38-0311-5	03-217-06	7
KM-43-0311-2	03-217-07	4

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z - The sample chromatogram is similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC Geomatrix
Project Number: 01469700030
Project Name: Kelly Moore
Project Manager: Tasya Gray
Sampled by: Shauna Mikelich

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Days ☐ 3 Days
- ☒ Standard (7 Days) (TPH analysis 5 Days)
- ☐ _____ (other)

Laboratory Number: 03-21703-216

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260B	Halogenated Volatiles 8260B	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081A	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA / MTCA Metals (circle one)	TCLP Metals	HEM (oil and grease) 1664	% Moisture
1	TB-032311	3/23/11		W	1					X											
2	km-30-0311-2'	3/23/11	0813	S	~~5~~ 3			X		X			X								X
3	km-30-0311-5	3/23/11	0820	S	3			X		X			X								↓
4	km-30-0311-W	3/23/11	0905	W	7			X		X			X								
5	km-38-0311-2	3/23/11	1226	S	1									X							X
6	km-38-0311-5	3/23/11	1229	S	1									X							↓
7	km-43-0311-2	3/23/11	1342	S	1									X							

3/23/11

	Signature	Company	Date	Time
Relinquished		AMEC Geomatrix	3/23/11	1535
Received		QSE	3/23/11	1535
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

Sample/Cooler Receipt and Acceptance Checklist

Client: AMEG

Client Project Name/Number: 0146970030

OnSite Project Number: 03-217

Initiated by: MN

Date Initiated: 3/23/11

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	Yes	No	(N/A)	1 2 3 4
1.2 Were the custody seals intact?	Yes	No	(N/A)	1 2 3 4
1.3 Were the custody seals signed and dated by last custodian?	Yes	No	(N/A)	1 2 3 4
1.4 Were the samples delivered on ice or blue ice?	(Yes)	No		1 2 3 4
1.5 Were samples received between 0-6 degrees Celsius?	(Yes)	No	Temperature: 3	
1.6 Have shipping bills (if any) been attached to the back of this form?	Yes	(N/A)		
1.7 How were the samples delivered?	(Client)	Courier	UPS/FedEx	OSE Pickup Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	(Yes)	No		1 2 3 4
2.2 Was the COC legible and written in permanent ink?	(Yes)	No		1 2 3 4
2.3 Have samples been relinquished and accepted by each custodian?	(Yes)	No		1 2 3 4
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	Yes	(No)		1 2 3 4
2.5 Were all of the samples listed on the COC submitted?	(Yes)	No		1 2 3 4
2.6 Were any of the samples submitted omitted from the COC?	Yes	(No)		1 2 3 4

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	(No)		1 2 3 4
3.2 Were any sample labels missing or illegible?	Yes	(No)		1 2 3 4
3.3 Have the correct containers been used for each analysis requested?	(Yes)	No		1 2 3 4
3.4 Have the samples been correctly preserved?	(Yes)	No	N/A	1 2 3 4
3.5 Are volatiles samples free from headspace and air bubbles?	(Yes)	No	N/A	1 2 3 4
3.6 Is there sufficient sample submitted to perform requested analyses?	(Yes)	No		1 2 3 4
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	(No)		1 2 3 4
3.8 Was method 5035A used?	(Yes)	No	N/A	1 2 3 4
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#	1	N/A	1 2 3 4

Explain any discrepancies:

2.4) Sample 3) KM-30-0311-S 3/23/11 0820 on COC
KM-30-0311- 3/23/11 0820 on VOA

1 - Discuss issue in Case Narrative

2 - Process Sample As-is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

April 4, 2011

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 0146970030
Laboratory Reference No. 1103-229

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 24, 2011.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

Case Narrative

Samples were collected on March 24, 2011 and received by the laboratory on March 24, 2011. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH-G/BTEX (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The chromatograms for samples KM-39-0311-2.5, KM-39-0311-2.5-D, KM-39-0311-5, KM-41-0311-3 and KM-41-0311-4.5 are similar to mineral spirits.

NWTPH-G/BTEX (water) Analysis

The chromatograms for samples KM-39-0311-W, KM-41-0311-W and KM-41-0311-W-D are similar to mineral spirits.

Volatiles EPA 8260B (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Some MTCA Method A cleanup levels are non-achievable for samples KM-41-0311-3 and KM-41-0311-4.5 due to the necessary dilution of the samples.

Volatiles EPA 8260B (water) Analysis

Some MTCA Method A cleanup levels are non-achievable for samples KM-41-0311-W and KM-41-0311-W-D due to the necessary dilution of the samples.

Surrogate 4-Bromofluorobenzene is outside control limits for samples KM-41-0311-W and KM-41-0311-W-D due to co-eluting non-target analytes.

PAHs EPA 8270D/SIM (soil) Analysis

Sample KM-41-0311-3 had one surrogate recovery out of control limits. This is within allowance of our standard operating procedure as long as the recovery is above 10%.

PAHs EPA 8270D/SIM (water) Analysis

Due to sample matrix of samples, the samples were diluted 50 to 100 times therefore increasing the PQL's.

Due to the sample matrix of sample KM-39-0311-W and therefore a necessary dilution, the MS/MSD pair data recovery is not available.

Please note that any other QA/QC issues associated with these analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-39-0311-2.5**					
Laboratory ID:	03-229-01					
Benzene	**0.53**	0.066	EPA 8021	3-25-11	3-28-11	
Toluene	**4.8**	0.33	EPA 8021	3-25-11	3-28-11	
Ethyl Benzene	**26**	0.33	EPA 8021	3-25-11	3-28-11	
m,p-Xylene	**49**	1.3	EPA 8021	3-25-11	3-29-11	
o-Xylene	**ND**	3.3	EPA 8021	3-25-11	3-28-11	U1
Gasoline	**4800**	130	NWTPH-Gx	3-25-11	3-29-11	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*75*	*68-124*				
Client ID:	**KM-39-0311-2.5-D**					
Laboratory ID:	03-229-02					
Benzene	**0.47**	0.063	EPA 8021	3-25-11	3-28-11	
Toluene	**4.9**	0.31	EPA 8021	3-25-11	3-28-11	
Ethyl Benzene	**20**	0.31	EPA 8021	3-25-11	3-28-11	
m,p-Xylene	**42**	1.3	EPA 8021	3-25-11	3-29-11	
o-Xylene	**ND**	3.1	EPA 8021	3-25-11	3-28-11	U1
Gasoline	**4900**	130	NWTPH-Gx	3-25-11	3-29-11	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*73*	*68-124*				
Client ID:	**KM-39-0311-5**					
Laboratory ID:	03-229-03					
Benzene	**ND**	0.021	EPA 8021	3-25-11	3-28-11	
Toluene	**ND**	0.11	EPA 8021	3-25-11	3-28-11	
Ethyl Benzene	**ND**	0.11	EPA 8021	3-25-11	3-28-11	
m,p-Xylene	**1.3**	0.11	EPA 8021	3-25-11	3-28-11	
o-Xylene	**ND**	0.55	EPA 8021	3-25-11	3-28-11	U1
Gasoline	**990**	11	NWTPH-Gx	3-25-11	3-28-11	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*90*	*68-124*				
Client ID:	**KM-41-0311-3**					
Laboratory ID:	03-229-06					
Gasoline	**560**	11	NWTPH-Gx	3-25-11	3-30-11	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*124*	*68-124*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-4.5**					
Laboratory ID:	03-229-07					
Gasoline	**8300**	150	NWTPH-Gx	3-25-11	3-29-11	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	---	*68-124*				S

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0325S1					
Benzene	**ND**	0.020	EPA 8021	3-25-11	3-28-11	
Toluene	**ND**	0.050	EPA 8021	3-25-11	3-28-11	
Ethyl Benzene	**ND**	0.050	EPA 8021	3-25-11	3-28-11	
m,p-Xylene	**ND**	0.050	EPA 8021	3-25-11	3-28-11	
o-Xylene	**ND**	0.050	EPA 8021	3-25-11	3-28-11	
Gasoline	**ND**	5.0	NWTPH-Gx	3-25-11	3-28-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*68-124*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-224-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*99*	*98*	*68-124*			

MATRIX SPIKES											
Laboratory ID:	03-224-01										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**0.908**	**0.933**	1.00	1.00	ND	**91**	**93**	79-121	3	10	
Toluene	**0.985**	**1.03**	1.00	1.00	ND	**99**	**103**	83-121	4	14	
Ethyl Benzene	**1.03**	**1.05**	1.00	1.00	ND	**103**	**105**	83-123	2	9	
m,p-Xylene	**1.04**	**1.06**	1.00	1.00	ND	**104**	**106**	84-123	2	10	
o-Xylene	**1.00**	**1.03**	1.00	1.00	ND	**100**	**103**	82-124	3	10	
Surrogate:											
Fluorobenzene						*87*	*90*	*68-124*			

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-39-0311-W**					
Laboratory ID:	03-229-04					
Benzene	**11**	10	EPA 8021	3-25-11	3-25-11	
Toluene	**37**	10	EPA 8021	3-25-11	3-25-11	
Ethyl Benzene	**ND**	10	EPA 8021	3-25-11	3-25-11	
m,p-Xylene	**27**	10	EPA 8021	3-25-11	3-25-11	
o-Xylene	**ND**	10	EPA 8021	3-25-11	3-25-11	
Gasoline	**6600**	1000	NWTPH-Gx	3-25-11	3-25-11	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*103*	*73-121*				
Client ID:	**KM-41-0311-W**					
Laboratory ID:	03-229-08					
Gasoline	**4400**	400	NWTPH-Gx	3-25-11	3-25-11	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*102*	*73-121*				
Client ID:	**KM-41-0311-W-D**					
Laboratory ID:	03-229-09					
Gasoline	**5700**	400	NWTPH-Gx	3-25-11	3-25-11	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*103*	*73-121*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0325W1					
Benzene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
Toluene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
Ethyl Benzene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
m,p-Xylene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
o-Xylene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
Gasoline	**ND**	100	NWTPH-Gx	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*105*	*73-121*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-229-04										
	ORIG	DUP									
Benzene	**11.4**	**10.2**	NA	NA		NA		NA	11	30	
Toluene	**36.9**	**35.2**	NA	NA		NA		NA	5	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**27.4**	**25.9**	NA	NA		NA		NA	6	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**6560**	**6760**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*103*	*104*	*73-121*			
MATRIX SPIKES											
Laboratory ID:	03-229-04										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**519**	**515**	500	500	11.4	**102**	**101**	82-120	1	8	
Toluene	**573**	**560**	500	500	36.9	**107**	**105**	84-119	2	8	
Ethyl Benzene	**560**	**553**	500	500	ND	**112**	**111**	84-122	1	9	
m,p-Xylene	**575**	**571**	500	500	27.4	**110**	**109**	85-121	1	9	
o-Xylene	**538**	**529**	500	500	ND	**108**	**106**	84-121	2	9	
Surrogate:											
Fluorobenzene						*107*	*106*	*73-121*			

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-3**					
Laboratory ID:	03-229-06					
Dichlorodifluoromethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
Chloromethane	ND	2.8	EPA 8260	3-25-11	3-25-11	
Vinyl Chloride	ND	0.56	EPA 8260	3-25-11	3-25-11	
Bromomethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
Chloroethane	ND	2.8	EPA 8260	3-25-11	3-25-11	
Trichlorofluoromethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethene	ND	0.56	EPA 8260	3-25-11	3-25-11	
Acetone	ND	2.8	EPA 8260	3-25-11	3-25-11	
Iodomethane	ND	2.8	EPA 8260	3-25-11	3-25-11	
Carbon Disulfide	ND	0.56	EPA 8260	3-25-11	3-25-11	
Methylene Chloride	ND	2.8	EPA 8260	3-25-11	3-25-11	
(trans) 1,2-Dichloroethene	ND	0.56	EPA 8260	3-25-11	3-25-11	
Methyl t-Butyl Ether	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
Vinyl Acetate	ND	2.8	EPA 8260	3-25-11	3-25-11	
2,2-Dichloropropane	ND	0.56	EPA 8260	3-25-11	3-25-11	
(cis) 1,2-Dichloroethene	ND	0.56	EPA 8260	3-25-11	3-25-11	
2-Butanone	ND	2.8	EPA 8260	3-25-11	3-25-11	
Bromochloromethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
Chloroform	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,1,1-Trichloroethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
Carbon Tetrachloride	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,1-Dichloropropene	ND	0.56	EPA 8260	3-25-11	3-25-11	
Benzene	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,2-Dichloroethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
Trichloroethene	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,2-Dichloropropane	ND	0.56	EPA 8260	3-25-11	3-25-11	
Dibromomethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
Bromodichloromethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
2-Chloroethyl Vinyl Ether	ND	2.8	EPA 8260	3-25-11	3-25-11	
(cis) 1,3-Dichloropropene	ND	0.56	EPA 8260	3-25-11	3-25-11	
Methyl Isobutyl Ketone	ND	2.8	EPA 8260	3-25-11	3-25-11	
Toluene	ND	2.8	EPA 8260	3-25-11	3-25-11	
(trans) 1,3-Dichloropropene	ND	0.56	EPA 8260	3-25-11	3-25-11	

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-3**					
Laboratory ID:	03-229-06					
1,1,2-Trichloroethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
Tetrachloroethene	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,3-Dichloropropane	ND	0.56	EPA 8260	3-25-11	3-25-11	
2-Hexanone	ND	2.8	EPA 8260	3-25-11	3-25-11	
Dibromochloromethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,2-Dibromoethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
Chlorobenzene	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,1,1,2-Tetrachloroethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
Ethylbenzene	2.9	0.56	EPA 8260	3-25-11	3-25-11	
m,p-Xylene	19	1.1	EPA 8260	3-25-11	3-25-11	
o-Xylene	11	0.56	EPA 8260	3-25-11	3-25-11	
Styrene	ND	0.56	EPA 8260	3-25-11	3-25-11	
Bromoform	ND	0.56	EPA 8260	3-25-11	3-25-11	
Isopropylbenzene	1.8	0.56	EPA 8260	3-25-11	3-25-11	
Bromobenzene	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,1,2,2-Tetrachloroethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichloropropane	ND	0.56	EPA 8260	3-25-11	3-25-11	
n-Propylbenzene	1.6	0.56	EPA 8260	3-25-11	3-25-11	
2-Chlorotoluene	ND	0.56	EPA 8260	3-25-11	3-25-11	
4-Chlorotoluene	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,3,5-Trimethylbenzene	8.0	0.56	EPA 8260	3-25-11	3-25-11	
tert-Butylbenzene	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,2,4-Trimethylbenzene	11	0.56	EPA 8260	3-25-11	3-25-11	
sec-Butylbenzene	1.9	0.56	EPA 8260	3-25-11	3-25-11	
1,3-Dichlorobenzene	ND	0.56	EPA 8260	3-25-11	3-25-11	
p-Isopropyltoluene	2.3	0.56	EPA 8260	3-25-11	3-25-11	
1,4-Dichlorobenzene	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,2-Dichlorobenzene	ND	0.56	EPA 8260	3-25-11	3-25-11	
n-Butylbenzene	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,2-Dibromo-3-chloropropane	ND	2.8	EPA 8260	3-25-11	3-25-11	
1,2,4-Trichlorobenzene	ND	0.56	EPA 8260	3-25-11	3-25-11	
Hexachlorobutadiene	ND	2.8	EPA 8260	3-25-11	3-25-11	
Naphthalene	9.0	0.56	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichlorobenzene	ND	0.56	EPA 8260	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*70*	*63-127*				
Toluene-d8	*76*	*65-129*				
4-Bromofluorobenzene	*78*	*55-121*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-4.5**					
Laboratory ID:	03-229-07					
Dichlorodifluoromethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
Chloromethane	ND	2.2	EPA 8260	3-25-11	3-25-11	
Vinyl Chloride	ND	0.43	EPA 8260	3-25-11	3-25-11	
Bromomethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
Chloroethane	ND	2.2	EPA 8260	3-25-11	3-25-11	
Trichlorofluoromethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethene	ND	0.43	EPA 8260	3-25-11	3-25-11	
Acetone	ND	2.2	EPA 8260	3-25-11	3-25-11	
Iodomethane	ND	2.2	EPA 8260	3-25-11	3-25-11	
Carbon Disulfide	ND	0.43	EPA 8260	3-25-11	3-25-11	
Methylene Chloride	ND	2.2	EPA 8260	3-25-11	3-25-11	
(trans) 1,2-Dichloroethene	ND	0.43	EPA 8260	3-25-11	3-25-11	
Methyl t-Butyl Ether	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
Vinyl Acetate	ND	2.2	EPA 8260	3-25-11	3-25-11	
2,2-Dichloropropane	ND	0.43	EPA 8260	3-25-11	3-25-11	
(cis) 1,2-Dichloroethene	ND	0.43	EPA 8260	3-25-11	3-25-11	
2-Butanone	ND	2.2	EPA 8260	3-25-11	3-25-11	
Bromochloromethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
Chloroform	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,1,1-Trichloroethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
Carbon Tetrachloride	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,1-Dichloropropene	ND	0.43	EPA 8260	3-25-11	3-25-11	
Benzene	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,2-Dichloroethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
Trichloroethene	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,2-Dichloropropane	ND	0.43	EPA 8260	3-25-11	3-25-11	
Dibromomethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
Bromodichloromethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
2-Chloroethyl Vinyl Ether	ND	2.2	EPA 8260	3-25-11	3-25-11	
(cis) 1,3-Dichloropropene	ND	0.43	EPA 8260	3-25-11	3-25-11	
Methyl Isobutyl Ketone	ND	2.2	EPA 8260	3-25-11	3-25-11	
Toluene	ND	2.2	EPA 8260	3-25-11	3-25-11	
(trans) 1,3-Dichloropropene	ND	0.43	EPA 8260	3-25-11	3-25-11	

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-4.5**					
Laboratory ID:	03-229-07					
1,1,2-Trichloroethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
Tetrachloroethene	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,3-Dichloropropane	ND	0.43	EPA 8260	3-25-11	3-25-11	
2-Hexanone	ND	2.2	EPA 8260	3-25-11	3-25-11	
Dibromochloromethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,2-Dibromoethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
Chlorobenzene	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,1,1,2-Tetrachloroethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
Ethylbenzene	0.71	0.43	EPA 8260	3-25-11	3-25-11	
m,p-Xylene	3.5	0.86	EPA 8260	3-25-11	3-25-11	
o-Xylene	1.6	0.43	EPA 8260	3-25-11	3-25-11	
Styrene	ND	0.43	EPA 8260	3-25-11	3-25-11	
Bromoform	ND	0.43	EPA 8260	3-25-11	3-25-11	
Isopropylbenzene	1.6	0.43	EPA 8260	3-25-11	3-25-11	
Bromobenzene	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,1,2,2-Tetrachloroethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichloropropane	ND	0.43	EPA 8260	3-25-11	3-25-11	
n-Propylbenzene	2.7	0.43	EPA 8260	3-25-11	3-25-11	
2-Chlorotoluene	ND	0.43	EPA 8260	3-25-11	3-25-11	
4-Chlorotoluene	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,3,5-Trimethylbenzene	1.2	0.43	EPA 8260	3-25-11	3-25-11	
tert-Butylbenzene	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,2,4-Trimethylbenzene	2.5	0.43	EPA 8260	3-25-11	3-25-11	
sec-Butylbenzene	1.5	0.43	EPA 8260	3-25-11	3-25-11	
1,3-Dichlorobenzene	ND	0.43	EPA 8260	3-25-11	3-25-11	
p-Isopropyltoluene	0.62	0.43	EPA 8260	3-25-11	3-25-11	
1,4-Dichlorobenzene	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,2-Dichlorobenzene	ND	0.43	EPA 8260	3-25-11	3-25-11	
n-Butylbenzene	1.9	0.43	EPA 8260	3-25-11	3-25-11	
1,2-Dibromo-3-chloropropane	ND	2.2	EPA 8260	3-25-11	3-25-11	
1,2,4-Trichlorobenzene	ND	0.43	EPA 8260	3-25-11	3-25-11	
Hexachlorobutadiene	ND	2.2	EPA 8260	3-25-11	3-25-11	
Naphthalene	10	0.43	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichlorobenzene	ND	0.43	EPA 8260	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*69*	*63-127*				
Toluene-d8	*78*	*65-129*				
4-Bromofluorobenzene	*83*	*55-121*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0325S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Chloromethane	ND	0.0050	EPA 8260	3-25-11	3-25-11	
Vinyl Chloride	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Bromomethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Chloroethane	ND	0.0050	EPA 8260	3-25-11	3-25-11	
Trichlorofluoromethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Acetone	ND	0.0050	EPA 8260	3-25-11	3-25-11	
Iodomethane	ND	0.0050	EPA 8260	3-25-11	3-25-11	
Carbon Disulfide	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Methylene Chloride	ND	0.0050	EPA 8260	3-25-11	3-25-11	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Vinyl Acetate	ND	0.0050	EPA 8260	3-25-11	3-25-11	
2,2-Dichloropropane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
2-Butanone	ND	0.0050	EPA 8260	3-25-11	3-25-11	
Bromochloromethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Chloroform	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Carbon Tetrachloride	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,1-Dichloropropene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Benzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,2-Dichloroethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Trichloroethene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,2-Dichloropropane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Dibromomethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Bromodichloromethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260	3-25-11	3-25-11	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260	3-25-11	3-25-11	
Toluene	ND	0.0050	EPA 8260	3-25-11	3-25-11	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260	3-25-11	3-25-11	

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0325S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Tetrachloroethene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,3-Dichloropropane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
2-Hexanone	ND	0.0050	EPA 8260	3-25-11	3-25-11	
Dibromochloromethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,2-Dibromoethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Chlorobenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Ethylbenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
m,p-Xylene	ND	0.0020	EPA 8260	3-25-11	3-25-11	
o-Xylene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Styrene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Bromoform	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Isopropylbenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Bromobenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
n-Propylbenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
2-Chlorotoluene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
4-Chlorotoluene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
tert-Butylbenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
sec-Butylbenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
p-Isopropyltoluene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
n-Butylbenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260	3-25-11	3-25-11	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Hexachlorobutadiene	ND	0.0050	EPA 8260	3-25-11	3-25-11	
Naphthalene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*78*	*63-127*				
Toluene-d8	*85*	*65-129*				
4-Bromofluorobenzene	*94*	*55-121*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0325S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0469**	**0.0481**	0.0500	0.0500	94	96	70-130	3	19	
Benzene	**0.0458**	**0.0470**	0.0500	0.0500	92	94	70-125	3	15	
Trichloroethene	**0.0488**	**0.0484**	0.0500	0.0500	98	97	70-122	1	14	
Toluene	**0.0483**	**0.0487**	0.0500	0.0500	97	97	73-120	1	16	
Chlorobenzene	**0.0454**	**0.0461**	0.0500	0.0500	91	92	74-109	2	12	
Surrogate:										
Dibromofluoromethane					*69*	*71*	*63-127*			
Toluene-d8					*75*	*81*	*65-129*			
4-Bromofluorobenzene					*80*	*88*	*55-121*			

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-W**					
Laboratory ID:	03-229-08					
Dichlorodifluoromethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Chloromethane	ND	2.0	EPA 8260	3-25-11	3-25-11	
Vinyl Chloride	ND	0.40	EPA 8260	3-25-11	3-25-11	
Bromomethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Chloroethane	ND	2.0	EPA 8260	3-25-11	3-25-11	
Trichlorofluoromethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Acetone	ND	10	EPA 8260	3-25-11	3-25-11	
Iodomethane	ND	2.0	EPA 8260	3-25-11	3-25-11	
Carbon Disulfide	ND	0.40	EPA 8260	3-25-11	3-25-11	
Methylene Chloride	ND	2.0	EPA 8260	3-25-11	3-25-11	
(trans) 1,2-Dichloroethene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Methyl t-Butyl Ether	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Vinyl Acetate	ND	4.0	EPA 8260	3-25-11	3-25-11	
2,2-Dichloropropane	ND	0.40	EPA 8260	3-25-11	3-25-11	
(cis) 1,2-Dichloroethene	ND	0.40	EPA 8260	3-25-11	3-25-11	
2-Butanone	ND	10	EPA 8260	3-25-11	3-25-11	
Bromochloromethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Chloroform	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,1,1-Trichloroethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Carbon Tetrachloride	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,1-Dichloropropene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Benzene	23	0.40	EPA 8260	3-25-11	3-25-11	
1,2-Dichloroethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Trichloroethene	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,2-Dichloropropane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Dibromomethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Bromodichloromethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
2-Chloroethyl Vinyl Ether	ND	2.0	EPA 8260	3-25-11	3-25-11	
(cis) 1,3-Dichloropropene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Methyl Isobutyl Ketone	ND	4.0	EPA 8260	3-25-11	3-25-11	
Toluene	2.4	2.0	EPA 8260	3-25-11	3-25-11	
(trans) 1,3-Dichloropropene	ND	0.40	EPA 8260	3-25-11	3-25-11	

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-W**					
Laboratory ID:	03-229-08					
1,1,2-Trichloroethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Tetrachloroethene	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,3-Dichloropropane	ND	0.40	EPA 8260	3-25-11	3-25-11	
2-Hexanone	ND	4.0	EPA 8260	3-25-11	3-25-11	
Dibromochloromethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,2-Dibromoethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Chlorobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,1,1,2-Tetrachloroethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Ethylbenzene	9.6	0.40	EPA 8260	3-25-11	3-25-11	
m,p-Xylene	26	0.80	EPA 8260	3-25-11	3-25-11	
o-Xylene	9.1	0.40	EPA 8260	3-25-11	3-25-11	
Styrene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Bromoform	ND	2.0	EPA 8260	3-25-11	3-25-11	
Isopropylbenzene	24	0.40	EPA 8260	3-25-11	3-25-11	
Bromobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,1,2,2-Tetrachloroethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichloropropane	ND	0.40	EPA 8260	3-25-11	3-25-11	
n-Propylbenzene	30	0.40	EPA 8260	3-25-11	3-25-11	
2-Chlorotoluene	ND	0.40	EPA 8260	3-25-11	3-25-11	
4-Chlorotoluene	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,3,5-Trimethylbenzene	1.3	0.40	EPA 8260	3-25-11	3-25-11	
tert-Butylbenzene	0.57	0.40	EPA 8260	3-25-11	3-25-11	
1,2,4-Trimethylbenzene	6.0	0.40	EPA 8260	3-25-11	3-25-11	
sec-Butylbenzene	4.4	0.40	EPA 8260	3-25-11	3-25-11	
1,3-Dichlorobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
p-Isopropyltoluene	0.52	0.40	EPA 8260	3-25-11	3-25-11	
1,4-Dichlorobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,2-Dichlorobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
n-Butylbenzene	4.8	0.40	EPA 8260	3-25-11	3-25-11	
1,2-Dibromo-3-chloropropane	ND	2.0	EPA 8260	3-25-11	3-25-11	
1,2,4-Trichlorobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Hexachlorobutadiene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Naphthalene	92	2.0	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichlorobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*84*	*68-107*				
Toluene-d8	*91*	*73-102*				
4-Bromofluorobenzene	*108*	*65-104*				Q

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-W-D**					
Laboratory ID:	03-229-09					
Dichlorodifluoromethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Chloromethane	ND	2.0	EPA 8260	3-25-11	3-25-11	
Vinyl Chloride	ND	0.40	EPA 8260	3-25-11	3-25-11	
Bromomethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Chloroethane	ND	2.0	EPA 8260	3-25-11	3-25-11	
Trichlorofluoromethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Acetone	ND	10	EPA 8260	3-25-11	3-25-11	
Iodomethane	ND	2.0	EPA 8260	3-25-11	3-25-11	
Carbon Disulfide	ND	0.40	EPA 8260	3-25-11	3-25-11	
Methylene Chloride	ND	2.0	EPA 8260	3-25-11	3-25-11	
(trans) 1,2-Dichloroethene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Methyl t-Butyl Ether	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Vinyl Acetate	ND	4.0	EPA 8260	3-25-11	3-25-11	
2,2-Dichloropropane	ND	0.40	EPA 8260	3-25-11	3-25-11	
(cis) 1,2-Dichloroethene	ND	0.40	EPA 8260	3-25-11	3-25-11	
2-Butanone	ND	10	EPA 8260	3-25-11	3-25-11	
Bromochloromethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Chloroform	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,1,1-Trichloroethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Carbon Tetrachloride	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,1-Dichloropropene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Benzene	23	0.40	EPA 8260	3-25-11	3-25-11	
1,2-Dichloroethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Trichloroethene	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,2-Dichloropropane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Dibromomethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Bromodichloromethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
2-Chloroethyl Vinyl Ether	ND	2.0	EPA 8260	3-25-11	3-25-11	
(cis) 1,3-Dichloropropene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Methyl Isobutyl Ketone	ND	4.0	EPA 8260	3-25-11	3-25-11	
Toluene	2.5	2.0	EPA 8260	3-25-11	3-25-11	
(trans) 1,3-Dichloropropene	ND	0.40	EPA 8260	3-25-11	3-25-11	

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-W-D**					
Laboratory ID:	03-229-09					
1,1,2-Trichloroethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Tetrachloroethene	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,3-Dichloropropane	ND	0.40	EPA 8260	3-25-11	3-25-11	
2-Hexanone	ND	4.0	EPA 8260	3-25-11	3-25-11	
Dibromochloromethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,2-Dibromoethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Chlorobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,1,1,2-Tetrachloroethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Ethylbenzene	9.9	0.40	EPA 8260	3-25-11	3-25-11	
m,p-Xylene	27	0.80	EPA 8260	3-25-11	3-25-11	
o-Xylene	9.2	0.40	EPA 8260	3-25-11	3-25-11	
Styrene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Bromoform	ND	2.0	EPA 8260	3-25-11	3-25-11	
Isopropylbenzene	24	0.40	EPA 8260	3-25-11	3-25-11	
Bromobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,1,2,2-Tetrachloroethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichloropropane	ND	0.40	EPA 8260	3-25-11	3-25-11	
n-Propylbenzene	30	0.40	EPA 8260	3-25-11	3-25-11	
2-Chlorotoluene	ND	0.40	EPA 8260	3-25-11	3-25-11	
4-Chlorotoluene	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,3,5-Trimethylbenzene	1.3	0.40	EPA 8260	3-25-11	3-25-11	
tert-Butylbenzene	0.57	0.40	EPA 8260	3-25-11	3-25-11	
1,2,4-Trimethylbenzene	6.1	0.40	EPA 8260	3-25-11	3-25-11	
sec-Butylbenzene	4.3	0.40	EPA 8260	3-25-11	3-25-11	
1,3-Dichlorobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
p-Isopropyltoluene	0.51	0.40	EPA 8260	3-25-11	3-25-11	
1,4-Dichlorobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,2-Dichlorobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
n-Butylbenzene	5.0	0.40	EPA 8260	3-25-11	3-25-11	
1,2-Dibromo-3-chloropropane	ND	2.0	EPA 8260	3-25-11	3-25-11	
1,2,4-Trichlorobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Hexachlorobutadiene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Naphthalene	97	2.0	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichlorobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*78*	*68-107*				
Toluene-d8	*87*	*73-102*				
4-Bromofluorobenzene	*108*	*65-104*				Q

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TB-032411**					
Laboratory ID:	03-229-12					
Dichlorodifluoromethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Chloromethane	ND	1.0	EPA 8260	3-28-11	3-28-11	
Vinyl Chloride	ND	0.20	EPA 8260	3-28-11	3-28-11	
Bromomethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Chloroethane	ND	1.0	EPA 8260	3-28-11	3-28-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Acetone	ND	5.0	EPA 8260	3-28-11	3-28-11	
Iodomethane	ND	1.0	EPA 8260	3-28-11	3-28-11	
Carbon Disulfide	ND	0.20	EPA 8260	3-28-11	3-28-11	
Methylene Chloride	4.6	1.0	EPA 8260	3-28-11	3-28-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Vinyl Acetate	ND	2.0	EPA 8260	3-28-11	3-28-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	3-28-11	3-28-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-28-11	3-28-11	
2-Butanone	ND	5.0	EPA 8260	3-28-11	3-28-11	
Bromochloromethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Chloroform	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Benzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Trichloroethene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Dibromomethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Bromodichloromethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	3-28-11	3-28-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	3-28-11	3-28-11	
Toluene	ND	1.0	EPA 8260	3-28-11	3-28-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-28-11	3-28-11	

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TB-032411**					
Laboratory ID:	03-229-12					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Tetrachloroethene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	3-28-11	3-28-11	
2-Hexanone	ND	2.0	EPA 8260	3-28-11	3-28-11	
Dibromochloromethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Chlorobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Ethylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
m,p-Xylene	ND	0.40	EPA 8260	3-28-11	3-28-11	
o-Xylene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Styrene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Bromoform	ND	1.0	EPA 8260	3-28-11	3-28-11	
Isopropylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Bromobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	3-28-11	3-28-11	
n-Propylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
2-Chlorotoluene	ND	0.20	EPA 8260	3-28-11	3-28-11	
4-Chlorotoluene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
tert-Butylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
sec-Butylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
n-Butylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	3-28-11	3-28-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Naphthalene	ND	1.0	EPA 8260	3-28-11	3-28-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*83*	*68-107*				
Toluene-d8	*84*	*73-102*				
4-Bromofluorobenzene	*83*	*65-104*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0325W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chloromethane	ND	1.0	EPA 8260	3-25-11	3-25-11	
Vinyl Chloride	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromomethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chloroethane	ND	1.0	EPA 8260	3-25-11	3-25-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Acetone	ND	5.0	EPA 8260	3-25-11	3-25-11	
Iodomethane	ND	1.0	EPA 8260	3-25-11	3-25-11	
Carbon Disulfide	ND	0.20	EPA 8260	3-25-11	3-25-11	
Methylene Chloride	ND	1.0	EPA 8260	3-25-11	3-25-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Vinyl Acetate	ND	2.0	EPA 8260	3-25-11	3-25-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Butanone	ND	5.0	EPA 8260	3-25-11	3-25-11	
Bromochloromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chloroform	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Benzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Trichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Dibromomethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromodichloromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	3-25-11	3-25-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	3-25-11	3-25-11	
Toluene	ND	1.0	EPA 8260	3-25-11	3-25-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-25-11	3-25-11	

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Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0325W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Tetrachloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Hexanone	ND	2.0	EPA 8260	3-25-11	3-25-11	
Dibromochloromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Ethylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
m,p-Xylene	ND	0.40	EPA 8260	3-25-11	3-25-11	
o-Xylene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Styrene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromoform	ND	1.0	EPA 8260	3-25-11	3-25-11	
Isopropylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
n-Propylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Chlorotoluene	ND	0.20	EPA 8260	3-25-11	3-25-11	
4-Chlorotoluene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
tert-Butylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
sec-Butylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
n-Butylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	3-25-11	3-25-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Naphthalene	ND	1.0	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*83*	*68-107*				
Toluene-d8	*84*	*73-102*				
4-Bromofluorobenzene	*84*	*65-104*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0328W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Chloromethane	ND	1.0	EPA 8260	3-28-11	3-28-11	
Vinyl Chloride	ND	0.20	EPA 8260	3-28-11	3-28-11	
Bromomethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Chloroethane	ND	1.0	EPA 8260	3-28-11	3-28-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Acetone	ND	5.0	EPA 8260	3-28-11	3-28-11	
Iodomethane	ND	1.0	EPA 8260	3-28-11	3-28-11	
Carbon Disulfide	ND	0.20	EPA 8260	3-28-11	3-28-11	
Methylene Chloride	ND	1.0	EPA 8260	3-28-11	3-28-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Vinyl Acetate	ND	2.0	EPA 8260	3-28-11	3-28-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	3-28-11	3-28-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-28-11	3-28-11	
2-Butanone	ND	5.0	EPA 8260	3-28-11	3-28-11	
Bromochloromethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Chloroform	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Benzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Trichloroethene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Dibromomethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Bromodichloromethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	3-28-11	3-28-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	3-28-11	3-28-11	
Toluene	ND	1.0	EPA 8260	3-28-11	3-28-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-28-11	3-28-11	

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Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0328W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Tetrachloroethene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	3-28-11	3-28-11	
2-Hexanone	ND	2.0	EPA 8260	3-28-11	3-28-11	
Dibromochloromethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Chlorobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Ethylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
m,p-Xylene	ND	0.40	EPA 8260	3-28-11	3-28-11	
o-Xylene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Styrene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Bromoform	ND	1.0	EPA 8260	3-28-11	3-28-11	
Isopropylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Bromobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	3-28-11	3-28-11	
n-Propylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
2-Chlorotoluene	ND	0.20	EPA 8260	3-28-11	3-28-11	
4-Chlorotoluene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
tert-Butylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
sec-Butylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
n-Butylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	3-28-11	3-28-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Naphthalene	ND	1.0	EPA 8260	3-28-11	3-28-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*84*	*68-107*				
Toluene-d8	*86*	*73-102*				
4-Bromofluorobenzene	*83*	*65-104*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0325W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**10.5**	**10.3**	10.0	10.0	105	103	70-130	2	11	
Benzene	**10.0**	**9.72**	10.0	10.0	100	97	79-123	3	8	
Trichloroethene	**9.70**	**9.67**	10.0	10.0	97	97	82-113	0	9	
Toluene	**9.82**	**9.87**	10.0	10.0	98	99	84-113	1	8	
Chlorobenzene	**10.0**	**10.2**	10.0	10.0	100	102	89-111	2	8	
Surrogate:										
Dibromofluoromethane					*82*	*82*	*68-107*			
Toluene-d8					*84*	*86*	*73-102*			
4-Bromofluorobenzene					*80*	*82*	*65-104*			

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Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0328W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**10.3**	**10.4**	10.0	10.0	103	104	70-130	1	11	
Benzene	**10.0**	**10.2**	10.0	10.0	100	102	79-123	2	8	
Trichloroethene	**9.79**	**10.0**	10.0	10.0	98	100	82-113	2	9	
Toluene	**9.85**	**10.2**	10.0	10.0	99	102	84-113	3	8	
Chlorobenzene	**10.4**	**10.7**	10.0	10.0	104	107	89-111	3	8	
Surrogate:										
Dibromofluoromethane					*83*	*82*	*68-107*			
Toluene-d8					*85*	*85*	*73-102*			
4-Bromofluorobenzene					*81*	*81*	*65-104*			

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-39-0311-2.5**					
Laboratory ID:	03-229-01					
Naphthalene	**5.6**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
2-Methylnaphthalene	**10**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
1-Methylnaphthalene	**6.7**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Acenaphthylene	**ND**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Acenaphthene	**2.7**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Fluorene	**1.8**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Phenanthrene	**4.0**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Anthracene	**0.72**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Fluoranthene	**1.9**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Pyrene	**1.7**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[a]anthracene	**0.56**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Chrysene	**0.77**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[b]fluoranthene	**0.47**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[k]fluoranthene	**0.40**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[a]pyrene	**0.40**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Dibenz[a,h]anthracene	**ND**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[g,h,i]perylene	**ND**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*73*	*43 - 109*				
Pyrene-d10	*71*	*38 - 128*				
Terphenyl-d14	*64*	*33 - 119*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-39-0311-2.5-D**					
Laboratory ID:	03-229-02					
Naphthalene	**5.8**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
2-Methylnaphthalene	**11**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
1-Methylnaphthalene	**7.1**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Acenaphthylene	**ND**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Acenaphthene	**2.6**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Fluorene	**1.9**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Phenanthrene	**4.2**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Anthracene	**0.77**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Fluoranthene	**2.2**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Pyrene	**2.0**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Benzo[a]anthracene	**0.56**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Chrysene	**0.76**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Benzo[b]fluoranthene	**0.45**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Benzo[k]fluoranthene	**ND**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Benzo[a]pyrene	**0.42**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Dibenz[a,h]anthracene	**ND**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Benzo[g,h,i]perylene	**ND**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*56*	*43 - 109*				
Pyrene-d10	*81*	*38 - 128*				
Terphenyl-d14	*68*	*33 - 119*				

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-39-0311-5**					
Laboratory ID:	03-229-03					
Naphthalene	**0.045**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
2-Methylnaphthalene	**2.6**	0.070	EPA 8270/SIM	3-25-11	3-29-11	
1-Methylnaphthalene	**2.0**	0.070	EPA 8270/SIM	3-25-11	3-29-11	
Acenaphthylene	**0.046**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
Acenaphthene	**0.94**	0.070	EPA 8270/SIM	3-25-11	3-29-11	
Fluorene	**0.66**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
Phenanthrene	**1.5**	0.070	EPA 8270/SIM	3-25-11	3-29-11	
Anthracene	**0.27**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
Fluoranthene	**0.64**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
Pyrene	**0.61**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[a]anthracene	**0.18**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
Chrysene	**0.24**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[b]fluoranthene	**0.14**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[k]fluoranthene	**0.11**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[a]pyrene	**0.15**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
Indeno(1,2,3-c,d)pyrene	**0.092**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
Dibenz[a,h]anthracene	**0.033**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[g,h,i]perylene	**0.12**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*78*	*43 - 109*				
Pyrene-d10	*77*	*38 - 128*				
Terphenyl-d14	*68*	*33 - 119*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-3**					
Laboratory ID:	03-229-06					
Naphthalene	**12**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
2-Methylnaphthalene	**7.3**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
1-Methylnaphthalene	**5.1**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Acenaphthylene	**ND**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Acenaphthene	**0.82**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Fluorene	**ND**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Phenanthrene	**1.4**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Anthracene	**ND**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Fluoranthene	**0.64**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Pyrene	**0.56**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Benzo[a]anthracene	**ND**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Chrysene	**ND**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Benzo[b]fluoranthene	**ND**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Benzo[k]fluoranthene	**ND**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Benzo[a]pyrene	**ND**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Dibenz[a,h]anthracene	**ND**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Benzo[g,h,i]perylene	**ND**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*37*	*43 - 109*				Q
Pyrene-d10	*49*	*38 - 128*				
Terphenyl-d14	*37*	*33 - 119*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-4.5**					
Laboratory ID:	03-229-07					
Naphthalene	**37**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
2-Methylnaphthalene	**24**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
1-Methylnaphthalene	**17**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Acenaphthylene	**ND**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Acenaphthene	**3.5**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Fluorene	**2.1**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Phenanthrene	**8.1**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Anthracene	**0.96**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Fluoranthene	**3.2**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Pyrene	**3.1**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[a]anthracene	**0.99**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Chrysene	**1.4**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[b]fluoranthene	**ND**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[k]fluoranthene	**ND**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[a]pyrene	**ND**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Dibenz[a,h]anthracene	**ND**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[g,h,i]perylene	**ND**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*64*	*43 - 109*				
Pyrene-d10	*58*	*38 - 128*				
Terphenyl-d14	*56*	*33 - 119*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PAHs by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0325S1					
Naphthalene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Fluorene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Anthracene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Pyrene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Chrysene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*88*	*43 - 109*				
Pyrene-d10	*93*	*38 - 128*				
Terphenyl-d14	*85*	*33 - 119*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PAHs by EPA 8270D/SIM
MS/MSD QUALITY CONTROL
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-218-03										
	MS	MSD	MS	MSD		MS	MSD				
Naphthalene	**0.0661**	**0.0606**	0.0833	0.0833	ND	79	73	39 - 110	9	21	
Acenaphthylene	**0.0683**	**0.0617**	0.0833	0.0833	ND	82	74	47 - 124	10	21	
Acenaphthene	**0.0667**	**0.0605**	0.0833	0.0833	ND	80	73	50 - 120	10	20	
Fluorene	**0.0671**	**0.0624**	0.0833	0.0833	ND	81	75	52 - 126	7	21	
Phenanthrene	**0.0708**	**0.0627**	0.0833	0.0833	ND	85	75	41 - 130	12	22	
Anthracene	**0.0641**	**0.0585**	0.0833	0.0833	ND	77	70	48 - 124	9	23	
Fluoranthene	**0.0758**	**0.0656**	0.0833	0.0833	ND	91	79	40 - 137	14	23	
Pyrene	**0.0756**	**0.0678**	0.0833	0.0833	ND	91	81	36 - 139	11	23	
Benzo[a]anthracene	**0.0629**	**0.0569**	0.0833	0.0833	ND	76	68	43 - 127	10	21	
Chrysene	**0.0656**	**0.0584**	0.0833	0.0833	ND	79	70	41 - 133	12	19	
Benzo[b]fluoranthene	**0.0674**	**0.0593**	0.0833	0.0833	ND	81	71	40 - 132	13	25	
Benzo[k]fluoranthene	**0.0674**	**0.0594**	0.0833	0.0833	ND	81	71	35 - 132	13	25	
Benzo[a]pyrene	**0.0654**	**0.0604**	0.0833	0.0833	ND	79	73	37 - 131	8	26	
Indeno(1,2,3-c,d)pyrene	**0.0744**	**0.0687**	0.0833	0.0833	ND	89	82	39 - 134	8	23	
Dibenz[a,h]anthracene	**0.0733**	**0.0679**	0.0833	0.0833	ND	88	82	40 - 137	8	21	
Benzo[g,h,i]perylene	**0.0702**	**0.0656**	0.0833	0.0833	ND	84	79	35 - 135	7	22	
Surrogate:											
2-Fluorobiphenyl						*76*	*69*	*43 - 109*			
Pyrene-d10						*84*	*78*	*38 - 128*			
Terphenyl-d14						*71*	*65*	*33 - 119*			

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-39-0311-W**					
Laboratory ID:	03-229-04					
Naphthalene	**ND**	4.8	EPA 8270/SIM	3-28-11	4-1-11	
2-Methylnaphthalene	**ND**	4.8	EPA 8270/SIM	3-28-11	4-1-11	
1-Methylnaphthalene	**9.2**	4.8	EPA 8270/SIM	3-28-11	4-1-11	
Acenaphthylene	**ND**	4.8	EPA 8270/SIM	3-28-11	4-1-11	
Acenaphthene	**ND**	4.8	EPA 8270/SIM	3-28-11	4-1-11	
Fluorene	**ND**	4.8	EPA 8270/SIM	3-28-11	4-1-11	
Phenanthrene	**ND**	4.8	EPA 8270/SIM	3-28-11	4-1-11	
Anthracene	**ND**	4.8	EPA 8270/SIM	3-28-11	4-1-11	
Fluoranthene	**ND**	4.8	EPA 8270/SIM	3-28-11	4-1-11	
Pyrene	**ND**	4.8	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[a]anthracene	**ND**	0.48	EPA 8270/SIM	3-28-11	4-1-11	
Chrysene	**ND**	0.48	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[b]fluoranthene	**ND**	0.48	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[k]fluoranthene	**ND**	0.48	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[a]pyrene	**ND**	0.48	EPA 8270/SIM	3-28-11	4-1-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.48	EPA 8270/SIM	3-28-11	4-1-11	
Dibenz[a,h]anthracene	**ND**	0.48	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[g,h,i]perylene	**ND**	0.48	EPA 8270/SIM	3-28-11	4-1-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*62*	*38 - 105*				
Pyrene-d10	*80*	*37 - 121*				
Terphenyl-d14	*63*	*32 - 112*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-W**					
Laboratory ID:	03-229-08					
Naphthalene	**27**	9.6	EPA 8270/SIM	3-28-11	4-1-11	
2-Methylnaphthalene	**22**	9.6	EPA 8270/SIM	3-28-11	4-1-11	
1-Methylnaphthalene	**18**	9.6	EPA 8270/SIM	3-28-11	4-1-11	
Acenaphthylene	**ND**	9.6	EPA 8270/SIM	3-28-11	4-1-11	
Acenaphthene	**ND**	9.6	EPA 8270/SIM	3-28-11	4-1-11	
Fluorene	**ND**	9.6	EPA 8270/SIM	3-28-11	4-1-11	
Phenanthrene	**ND**	9.6	EPA 8270/SIM	3-28-11	4-1-11	
Anthracene	**ND**	9.6	EPA 8270/SIM	3-28-11	4-1-11	
Fluoranthene	**ND**	9.6	EPA 8270/SIM	3-28-11	4-1-11	
Pyrene	**ND**	9.6	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[a]anthracene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-1-11	
Chrysene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[b]fluoranthene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[k]fluoranthene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[a]pyrene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-1-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-1-11	
Dibenz[a,h]anthracene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[g,h,i]perylene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-1-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*55*	*38 - 105*				
Pyrene-d10	*75*	*37 - 121*				
Terphenyl-d14	*72*	*32 - 112*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-W-D**					
Laboratory ID:	03-229-09					
Naphthalene	**42**	9.5	EPA 8270/SIM	3-28-11	4-1-11	
2-Methylnaphthalene	**29**	9.5	EPA 8270/SIM	3-28-11	4-1-11	
1-Methylnaphthalene	**23**	9.5	EPA 8270/SIM	3-28-11	4-1-11	
Acenaphthylene	**ND**	9.5	EPA 8270/SIM	3-28-11	4-1-11	
Acenaphthene	**ND**	9.5	EPA 8270/SIM	3-28-11	4-1-11	
Fluorene	**ND**	9.5	EPA 8270/SIM	3-28-11	4-1-11	
Phenanthrene	**ND**	9.5	EPA 8270/SIM	3-28-11	4-1-11	
Anthracene	**ND**	9.5	EPA 8270/SIM	3-28-11	4-1-11	
Fluoranthene	**ND**	9.5	EPA 8270/SIM	3-28-11	4-1-11	
Pyrene	**ND**	9.5	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[a]anthracene	**ND**	0.95	EPA 8270/SIM	3-28-11	4-1-11	
Chrysene	**ND**	0.95	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[b]fluoranthene	**ND**	0.95	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[k]fluoranthene	**ND**	0.95	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[a]pyrene	**ND**	0.95	EPA 8270/SIM	3-28-11	4-1-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.95	EPA 8270/SIM	3-28-11	4-1-11	
Dibenz[a,h]anthracene	**ND**	0.95	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[g,h,i]perylene	**ND**	0.95	EPA 8270/SIM	3-28-11	4-1-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*60*	*38 - 105*				
Pyrene-d10	*97*	*37 - 121*				
Terphenyl-d14	*75*	*32 - 112*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PAHs by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0328W1					
Naphthalene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Fluorene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Anthracene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Pyrene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Chrysene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*78*	*38 - 105*				
Pyrene-d10	*98*	*37 - 121*				
Terphenyl-d14	*90*	*32 - 112*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PAHs by EPA 8270D/SIM
SB/SBD QUALITY CONTROL
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0328W1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.316**	**0.318**	0.500	0.500	63	64	38 - 110	1	35	
Acenaphthylene	**0.343**	**0.398**	0.500	0.500	69	80	47 - 120	15	30	
Acenaphthene	**0.345**	**0.390**	0.500	0.500	69	78	46 - 113	12	26	
Fluorene	**0.442**	**0.353**	0.500	0.500	88	71	60 - 104	22	25	
Phenanthrene	**0.368**	**0.403**	0.500	0.500	74	81	61 - 99	9	19	
Anthracene	**0.377**	**0.383**	0.500	0.500	75	77	55 - 122	2	19	
Fluoranthene	**0.424**	**0.441**	0.500	0.500	85	88	58 - 129	4	18	
Pyrene	**0.394**	**0.412**	0.500	0.500	79	82	57 - 126	4	22	
Benzo[a]anthracene	**0.343**	**0.382**	0.500	0.500	69	76	51 - 124	11	18	
Chrysene	**0.336**	**0.378**	0.500	0.500	67	76	53 - 123	12	20	
Benzo[b]fluoranthene	**0.387**	**0.441**	0.500	0.500	77	88	53 - 126	13	18	
Benzo[k]fluoranthene	**0.417**	**0.419**	0.500	0.500	83	84	51 - 126	0	23	
Benzo[a]pyrene	**0.335**	**0.384**	0.500	0.500	67	77	52 - 127	14	21	
Indeno(1,2,3-c,d)pyrene	**0.379**	**0.413**	0.500	0.500	76	83	49 - 123	9	26	
Dibenz[a,h]anthracene	**0.387**	**0.418**	0.500	0.500	77	84	39 - 125	8	31	
Benzo[g,h,i]perylene	**0.368**	**0.388**	0.500	0.500	74	78	40 - 125	5	30	
Surrogate:										
2-Fluorobiphenyl					*64*	*69*	*38 - 105*			
Pyrene-d10					*85*	*86*	*37 - 121*			
Terphenyl-d14					*72*	*73*	*32 - 112*			

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-39-0311-2.5**					
Laboratory ID:	03-229-01					
Aroclor 1016	**ND**	0.058	EPA 8082	3-25-11	3-25-11	
Aroclor 1221	**ND**	0.058	EPA 8082	3-25-11	3-25-11	
Aroclor 1232	**ND**	0.058	EPA 8082	3-25-11	3-25-11	
Aroclor 1242	**ND**	0.058	EPA 8082	3-25-11	3-25-11	
Aroclor 1248	**ND**	0.058	EPA 8082	3-25-11	3-25-11	
Aroclor 1254	**ND**	0.058	EPA 8082	3-25-11	3-25-11	
Aroclor 1260	**0.15**	0.058	EPA 8082	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*79*	*42-123*				
Client ID:	**KM-39-0311-2.5-D**					
Laboratory ID:	03-229-02					
Aroclor 1016	**ND**	0.055	EPA 8082	3-25-11	3-25-11	
Aroclor 1221	**ND**	0.055	EPA 8082	3-25-11	3-25-11	
Aroclor 1232	**ND**	0.055	EPA 8082	3-25-11	3-25-11	
Aroclor 1242	**ND**	0.055	EPA 8082	3-25-11	3-25-11	
Aroclor 1248	**ND**	0.055	EPA 8082	3-25-11	3-25-11	
Aroclor 1254	**ND**	0.055	EPA 8082	3-25-11	3-25-11	
Aroclor 1260	**0.19**	0.055	EPA 8082	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*77*	*42-123*				
Client ID:	**KM-39-0311-5**					
Laboratory ID:	03-229-03					
Aroclor 1016	**ND**	0.053	EPA 8082	3-25-11	3-25-11	
Aroclor 1221	**ND**	0.053	EPA 8082	3-25-11	3-25-11	
Aroclor 1232	**ND**	0.053	EPA 8082	3-25-11	3-25-11	
Aroclor 1242	**ND**	0.053	EPA 8082	3-25-11	3-25-11	
Aroclor 1248	**ND**	0.053	EPA 8082	3-25-11	3-25-11	
Aroclor 1254	**ND**	0.053	EPA 8082	3-25-11	3-25-11	
Aroclor 1260	**ND**	0.053	EPA 8082	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*82*	*42-123*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-3**					
Laboratory ID:	03-229-06					
Aroclor 1016	**ND**	7.9	EPA 8082	3-25-11	3-31-11	
Aroclor 1221	**ND**	7.9	EPA 8082	3-25-11	3-31-11	
Aroclor 1232	**ND**	7.9	EPA 8082	3-25-11	3-31-11	
Aroclor 1242	**ND**	7.9	EPA 8082	3-25-11	3-31-11	
Aroclor 1248	**ND**	7.9	EPA 8082	3-25-11	3-31-11	
Aroclor 1254	**ND**	7.9	EPA 8082	3-25-11	3-31-11	
Aroclor 1260	**58**	7.9	EPA 8082	3-25-11	3-31-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	---	*42-123*				S
Client ID:	**KM-41-0311-4.5**					
Laboratory ID:	03-229-07					
Aroclor 1016	**ND**	1.3	EPA 8082	3-25-11	3-31-11	
Aroclor 1221	**ND**	1.3	EPA 8082	3-25-11	3-31-11	
Aroclor 1232	**ND**	1.3	EPA 8082	3-25-11	3-31-11	
Aroclor 1242	**ND**	1.3	EPA 8082	3-25-11	3-31-11	
Aroclor 1248	**ND**	1.3	EPA 8082	3-25-11	3-31-11	
Aroclor 1254	**ND**	1.3	EPA 8082	3-25-11	3-31-11	
Aroclor 1260	**10**	1.3	EPA 8082	3-25-11	3-31-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	---	*42-123*				S
Client ID:	**KM-42-0311-2**					
Laboratory ID:	03-229-10					
Aroclor 1016	**ND**	0.067	EPA 8082	3-25-11	3-31-11	X
Aroclor 1221	**ND**	0.067	EPA 8082	3-25-11	3-31-11	X
Aroclor 1232	**ND**	0.067	EPA 8082	3-25-11	3-31-11	X
Aroclor 1242	**ND**	0.067	EPA 8082	3-25-11	3-31-11	X
Aroclor 1248	**ND**	0.067	EPA 8082	3-25-11	3-31-11	X
Aroclor 1254	**ND**	0.067	EPA 8082	3-25-11	3-31-11	X
Aroclor 1260	**ND**	0.067	EPA 8082	3-25-11	3-31-11	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*105*	*42-123*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-42-0311-5**					
Laboratory ID:	03-229-11					
Aroclor 1016	**ND**	0.058	EPA 8082	3-25-11	3-25-11	
Aroclor 1221	**ND**	0.058	EPA 8082	3-25-11	3-25-11	
Aroclor 1232	**ND**	0.058	EPA 8082	3-25-11	3-25-11	
Aroclor 1242	**ND**	0.058	EPA 8082	3-25-11	3-25-11	
Aroclor 1248	**ND**	0.058	EPA 8082	3-25-11	3-25-11	
Aroclor 1254	**ND**	0.058	EPA 8082	3-25-11	3-25-11	
Aroclor 1260	**0.53**	0.058	EPA 8082	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*85*	*42-123*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0325S1					
Aroclor 1016	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1221	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1232	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1242	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1248	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1254	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1260	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*87*	*42-123*				
Laboratory ID:	MB0325S1					
Aroclor 1016	**ND**	0.050	EPA 8082	3-25-11	3-31-11	X
Aroclor 1221	**ND**	0.050	EPA 8082	3-25-11	3-31-11	X
Aroclor 1232	**ND**	0.050	EPA 8082	3-25-11	3-31-11	X
Aroclor 1242	**ND**	0.050	EPA 8082	3-25-11	3-31-11	X
Aroclor 1248	**ND**	0.050	EPA 8082	3-25-11	3-31-11	X
Aroclor 1254	**ND**	0.050	EPA 8082	3-25-11	3-31-11	X
Aroclor 1260	**ND**	0.050	EPA 8082	3-25-11	3-31-11	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*105*	*42-123*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-217-05										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.450**	**0.451**	0.500	0.500	ND	**90**	**90**	44-125	0	15	
Surrogate:											
DCB						*91*	*91*	*42-123*			

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PCBs by EPA 8082

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-0311-Rinsate**					
Laboratory ID:	03-229-05					
Aroclor 1016	**ND**	0.10	EPA 8082	3-25-11	3-25-11	
Aroclor 1221	**ND**	0.10	EPA 8082	3-25-11	3-25-11	
Aroclor 1232	**ND**	0.10	EPA 8082	3-25-11	3-25-11	
Aroclor 1242	**ND**	0.10	EPA 8082	3-25-11	3-25-11	
Aroclor 1248	**ND**	0.10	EPA 8082	3-25-11	3-25-11	
Aroclor 1254	**ND**	0.10	EPA 8082	3-25-11	3-25-11	
Aroclor 1260	**ND**	0.10	EPA 8082	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*80*	*36-127*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0325W1					
Aroclor 1016	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1221	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1232	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1242	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1248	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1254	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1260	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*78*	*36-127*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0325W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.378**	**0.397**	0.500	0.500	N/A	**76**	**79**	57-122	5	11	
Surrogate:											
DCB						*77*	*80*	*36-127*			

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

TOTAL METALS
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	03-229-04					
Client ID:	**KM-39-0311-W**					
Arsenic	**17**	3.3	200.8	3-29-11	3-29-11	
Chromium	**ND**	11	200.8	3-29-11	3-29-11	
Lead	**2.9**	1.1	200.8	3-29-11	3-29-11	
Lab ID:	03-229-08					
Client ID:	**KM-41-0311-W**					
Arsenic	**11**	3.3	200.8	3-29-11	3-29-11	
Chromium	**ND**	11	200.8	3-29-11	3-29-11	
Lead	**60**	1.1	200.8	3-29-11	3-29-11	
Lab ID:	03-229-09					
Client ID:	**KM-41-0311-W-D**					
Arsenic	**11**	3.3	200.8	3-29-11	3-29-11	
Chromium	**ND**	11	200.8	3-29-11	3-29-11	
Lead	**66**	1.1	200.8	3-29-11	3-29-11	

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

TOTAL METALS
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Extracted:	3-29-11
Date Analyzed:	3-29-11
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0329W2

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Chromium	200.8	**ND**	11
Lead	200.8	**ND**	1.1

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

TOTAL METALS
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Extracted: 3-29-11
Date Analyzed: 3-29-11

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-229-04

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**17.1**	**16.6**	3	3.3	
Chromium	**ND**	**ND**	NA	11	
Lead	**2.93**	**2.83**	3	1.1	

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

TOTAL METALS
EPA 200.8
MS/MSD QUALITY CONTROL

Date Extracted: 3-29-11
Date Analyzed: 3-29-11

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-229-04

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	110	**131**	104	**132**	104	0	
Chromium	110	**106**	96	**107**	97	1	
Lead	110	**119**	105	**121**	107	2	

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

% MOISTURE

Date Analyzed: 3-25-11

Client ID	Lab ID	% Moisture
KM-39-0311-2.5	03-229-01	13
KM-39-0311-2.5-D	03-229-02	9
KM-39-0311-5	03-229-03	5
KM-41-0311-3	03-229-06	36
KM-41-0311-4.5	03-229-07	21
KM-42-0311-2	03-229-10	25
KM-42-0311-5	03-229-11	14

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z - The sample chromatogram is similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 03-229

Company: AMEC Geomatrix
Project Number: 0146970030
Project Name: Kelly Moore
Project Manager: Tasya Gray
Sampled by: S. Mikelich

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260B	Halogenated Volatiles 8260B	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081A	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA / MTCA Metals (circle one) As/Pb/Cr	TCLP Metals	HEM (oil and grease) 1664							% Moisture
1	km-39-0311-2.5	3/24/11	0840	S	2		X						X	X													X
2	km-39-0311-2.5-D	3/24/11	0841	S	2		X						X	X													↓
3	km-39-0311-5	3/24/11	0843	S	2		X						X	X													↓
4	km-39-0311-W*	3/24/11	0935	W	13		X						X					X									
5	km-0311-Rinsate	3/24/11	0945	W	1									X													
6	km-41-0311-3	3/24/11	1016	S	5			X		X			X	X													X
7	km-41-0311-4.5	3/24/11	1020	S	5			X		X			X	X													↓
8	km-41-0311-W	3/24/11	1110	W	8			X		X			X					X									
9	km-41-0311-W-D	3/24/11	1115	W	8			X		X			X					X									
10	km-42-0311-2	3/24/11	1209	S	1									X													X

3/24/11

	Signature	Company	Date	Time
Relinquished		AMEC Geomatrix	3/24/11	1530
Received		ONE	3/24/11	1530
Relinquished				
Received				
Relinquished				
Received				

Comments/Special Instructions
* Run for MS/MSD.

Reviewed/Date _____ Reviewed/Date _____

Chromatograms with final report ☐

Data Package: Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

SAMPLE CHAIN OF CUSTODY

Send Report To Tasya Gray
Company AMEC Geomatrix
Address 600 University, 1020
City, State, ZIP Seattle WA
Phone # 206-342-1760 Fax #

SAMPLERS *(signature)*

PROJECT NAME/NO.: Kelly Moore 014 6970030

PO#

REMARKS: 03-229

TURNAROUND TIME
☒ Standard (2 Weeks)
☐ RUSH
Rush charges authorized by

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

	Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	PCB (8082)					Notes
11	KM-42-0311-5	11	3/24/11	1215	S	1							X					X % MOISTURE
12	TB-032411	12	3/24/11		W	1				X								

3/24/11

3/24/11

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Shauna Mikalich	AMEC Geomatrix	3/24/11	1530
Received by:	MOUN	OSE	3/24/11	1530
Relinquished by:				
Received by:				

FORMS\COC\COC.DOC

Sample/Cooler Receipt and Acceptance Checklist

Client: AMEC

Client Project Name/Number: 6146970030

OnSite Project Number: 03-229

Initiated by: JMV

Date Initiated: 3/24/11

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	Yes	No	N/A	1 2 3 4
1.2 Were the custody seals intact?	Yes	No	N/A	1 2 3 4
1.3 Were the custody seals signed and dated by last custodian?	Yes	No	N/A	1 2 3 4
1.4 Were the samples delivered on ice or blue ice?	Yes	No		1 2 3 4
1.5 Were samples received between 0-6 degrees Celsius?	Yes	No	Temperature: 5	
1.6 Have shipping bills (if any) been attached to the back of this form?	Yes	N/A		
1.7 How were the samples delivered?	Client	Courier	UPS/FedEx	OSE Pickup / Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	Yes	No	1 2 3 4
2.2 Was the COC legible and written in permanent ink?	Yes	No	1 2 3 4
2.3 Have samples been relinquished and accepted by each custodian?	Yes	No	1 2 3 4
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	Yes	No	1 2 3 4
2.5 Were all of the samples listed on the COC submitted?	Yes	No	1 2 3 4
2.6 Were any of the samples submitted omitted from the COC?	Yes	No	1 2 3 4

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	No		1 2 3 4
3.2 Were any sample labels missing or illegible?	Yes	No		1 2 3 4
3.3 Have the correct containers been used for each analysis requested?	Yes	No		1 2 3 4
3.4 Have the samples been correctly preserved?	Yes	No	N/A	1 2 3 4
3.5 Are volatiles samples free from headspace and air bubbles?	Yes	No	N/A	1 2 3 4
3.6 Is there sufficient sample submitted to perform requested analyses?	Yes	No		1 2 3 4
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	No		1 2 3 4
3.8 Was method 5035A used?	Yes	No	N/A	1 2 3 4
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#	1	N/A	1 2 3 4

Explain any discrepancies:

1 - Discuss issue in Case Narrative

2 - Process Sample As-is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

April 6, 2011

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 00146970030
Laboratory Reference No. 1103-260

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 28, 2011.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

Case Narrative

Samples were collected on March 28, 2011 and received by the laboratory on March 28, 2011. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-05-0311**					
Laboratory ID:	03-260-02					
Benzene	**ND**	1.0	EPA 8021	3-31-11	3-31-11	
Toluene	**ND**	1.0	EPA 8021	3-31-11	3-31-11	
Ethyl Benzene	**ND**	1.0	EPA 8021	3-31-11	3-31-11	
m,p-Xylene	**ND**	1.0	EPA 8021	3-31-11	3-31-11	
o-Xylene	**ND**	1.0	EPA 8021	3-31-11	3-31-11	
Gasoline	**ND**	100	NWTPH-Gx	3-31-11	3-31-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***85***	***73-121***				
Client ID:	**KMW-03-0311**					
Laboratory ID:	03-260-03					
Benzene	**8.1**	1.0	EPA 8021	3-31-11	3-31-11	
Toluene	**ND**	4.0	EPA 8021	4-4-11	4-4-11	
Ethyl Benzene	**3100**	50	EPA 8021	4-5-11	4-5-11	
m,p-Xylene	**18**	4.0	EPA 8021	4-4-11	4-4-11	
o-Xylene	**ND**	4.0	EPA 8021	4-4-11	4-4-11	
Gasoline	**7700**	400	NWTPH-Gx	4-4-11	4-4-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***98***	***73-121***				
Client ID:	**KMW-03-0311-D**					
Laboratory ID:	03-260-04					
Benzene	**8.4**	1.0	EPA 8021	3-31-11	3-31-11	
Toluene	**ND**	4.0	EPA 8021	4-4-11	4-4-11	
Ethyl Benzene	**2700**	50	EPA 8021	4-5-11	4-5-11	
m,p-Xylene	**18**	4.0	EPA 8021	4-4-11	4-4-11	
o-Xylene	**ND**	4.0	EPA 8021	4-4-11	4-4-11	
Gasoline	**7000**	400	NWTPH-Gx	4-4-11	4-4-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***91***	***73-121***				
Client ID:	**KMW-02-0311**					
Laboratory ID:	03-260-05					
Gasoline	**ND**	100	NWTPH-Gx	3-31-11	3-31-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***85***	***73-121***				

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-01-0311**					
Laboratory ID:	03-260-06					
Gasoline	**ND**	100	NWTPH-Gx	3-31-11	3-31-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***85***	***73-121***				
Client ID:	**KMW-04-0311**					
Laboratory ID:	03-260-07					
Benzene	**10**	1.0	EPA 8021	3-31-11	3-31-11	
Toluene	**7400**	100	EPA 8021	4-4-11	4-4-11	
Ethyl Benzene	**5700**	500	EPA 8021	4-5-11	4-5-11	
m,p-Xylene	**12000**	500	EPA 8021	4-5-11	4-5-11	
o-Xylene	**3400**	100	EPA 8021	4-4-11	4-4-11	
Gasoline	**75000**	10000	NWTPH-Gx	4-4-11	4-4-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***99***	***73-121***				

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

NWTPH-Gx/BTEX
METHOD BLANK QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0331W2					
Benzene	**ND**	1.0	EPA 8021	3-31-11	3-31-11	
Toluene	**ND**	1.0	EPA 8021	3-31-11	3-31-11	
Ethyl Benzene	**ND**	1.0	EPA 8021	3-31-11	3-31-11	
m,p-Xylene	**ND**	1.0	EPA 8021	3-31-11	3-31-11	
o-Xylene	**ND**	1.0	EPA 8021	3-31-11	3-31-11	
Gasoline	**ND**	100	NWTPH-Gx	3-31-11	3-31-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***100***	***73-121***				
Laboratory ID:	MB0404W2					
Benzene	**ND**	1.0	EPA 8021	4-4-11	4-4-11	
Toluene	**ND**	1.0	EPA 8021	4-4-11	4-4-11	
Ethyl Benzene	**ND**	1.0	EPA 8021	4-4-11	4-4-11	
m,p-Xylene	**ND**	1.0	EPA 8021	4-4-11	4-4-11	
o-Xylene	**ND**	1.0	EPA 8021	4-4-11	4-4-11	
Gasoline	**ND**	100	NWTPH-Gx	4-4-11	4-4-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***99***	***73-121***				
Laboratory ID:	MB0405W1					
Benzene	**ND**	1.0	EPA 8021	4-5-11	4-5-11	
Toluene	**ND**	1.0	EPA 8021	4-5-11	4-5-11	
Ethyl Benzene	**ND**	1.0	EPA 8021	4-5-11	4-5-11	
m,p-Xylene	**ND**	1.0	EPA 8021	4-5-11	4-5-11	
o-Xylene	**ND**	1.0	EPA 8021	4-5-11	4-5-11	
Gasoline	**ND**	100	NWTPH-Gx	4-5-11	4-5-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***84***	***73-121***				

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-260-02										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						***85***	***85***	***73-121***			
MATRIX SPIKES											
Laboratory ID:	03-260-02										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**50.6**	**52.1**	50.0	50.0	ND	**101**	**104**	82-120	3	8	
Toluene	**52.6**	**54.2**	50.0	50.0	ND	**105**	**108**	84-119	3	8	
Ethyl Benzene	**54.0**	**55.7**	50.0	50.0	ND	**108**	**111**	84-122	3	9	
m,p-Xylene	**52.5**	**53.7**	50.0	50.0	ND	**105**	**107**	85-121	2	9	
o-Xylene	**51.9**	**53.4**	50.0	50.0	ND	**104**	**107**	84-121	3	9	
Surrogate:											
Fluorobenzene						***93***	***98***	***73-121***			

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

VOLATILES by EPA 8260B
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TB-032811**					
Laboratory ID:	03-260-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chloromethane	ND	1.0	EPA 8260	4-1-11	4-1-11	
Vinyl Chloride	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromomethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chloroethane	ND	1.0	EPA 8260	4-1-11	4-1-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Acetone	ND	5.0	EPA 8260	4-1-11	4-1-11	
Iodomethane	ND	1.0	EPA 8260	4-1-11	4-1-11	
Carbon Disulfide	ND	0.20	EPA 8260	4-1-11	4-1-11	
Methylene Chloride	4.5	1.0	EPA 8260	4-1-11	4-1-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Vinyl Acetate	ND	2.0	EPA 8260	4-1-11	4-1-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Butanone	ND	5.0	EPA 8260	4-1-11	4-1-11	
Bromochloromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chloroform	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Benzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Trichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Dibromomethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromodichloromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	4-1-11	4-1-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	4-1-11	4-1-11	
Toluene	ND	1.0	EPA 8260	4-1-11	4-1-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	4-1-11	4-1-11	

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

VOLATILES by EPA 8260B
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TB-032811**					
Laboratory ID:	03-260-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Tetrachloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Hexanone	ND	2.0	EPA 8260	4-1-11	4-1-11	
Dibromochloromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Ethylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
m,p-Xylene	ND	0.40	EPA 8260	4-1-11	4-1-11	
o-Xylene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Styrene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromoform	ND	1.0	EPA 8260	4-1-11	4-1-11	
Isopropylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
n-Propylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Chlorotoluene	ND	0.20	EPA 8260	4-1-11	4-1-11	
4-Chlorotoluene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
tert-Butylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
sec-Butylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
n-Butylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	4-1-11	4-1-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Naphthalene	ND	1.0	EPA 8260	4-1-11	4-1-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***86***	***68-107***				
Toluene-d8	***91***	***73-102***				
4-Bromofluorobenzene	***87***	***65-104***				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

VOLATILES by EPA 8260B
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-02-0311**					
Laboratory ID:	03-260-05					
Dichlorodifluoromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chloromethane	ND	1.0	EPA 8260	4-1-11	4-1-11	
Vinyl Chloride	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromomethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chloroethane	ND	1.0	EPA 8260	4-1-11	4-1-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Acetone	ND	5.0	EPA 8260	4-1-11	4-1-11	
Iodomethane	ND	1.0	EPA 8260	4-1-11	4-1-11	
Carbon Disulfide	ND	0.20	EPA 8260	4-1-11	4-1-11	
Methylene Chloride	ND	1.0	EPA 8260	4-1-11	4-1-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Vinyl Acetate	ND	2.0	EPA 8260	4-1-11	4-1-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
(cis) 1,2-Dichloroethene	0.26	0.20	EPA 8260	4-1-11	4-1-11	
2-Butanone	ND	5.0	EPA 8260	4-1-11	4-1-11	
Bromochloromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chloroform	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Benzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Trichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Dibromomethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromodichloromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	4-1-11	4-1-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	4-1-11	4-1-11	
Toluene	ND	1.0	EPA 8260	4-1-11	4-1-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	4-1-11	4-1-11	

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-02-0311**					
Laboratory ID:	03-260-05					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Tetrachloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Hexanone	ND	2.0	EPA 8260	4-1-11	4-1-11	
Dibromochloromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Ethylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
m,p-Xylene	ND	0.40	EPA 8260	4-1-11	4-1-11	
o-Xylene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Styrene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromoform	ND	1.0	EPA 8260	4-1-11	4-1-11	
Isopropylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
n-Propylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Chlorotoluene	ND	0.20	EPA 8260	4-1-11	4-1-11	
4-Chlorotoluene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
tert-Butylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
sec-Butylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
n-Butylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	4-1-11	4-1-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Naphthalene	ND	1.0	EPA 8260	4-1-11	4-1-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***81***	***68-107***				
Toluene-d8	***85***	***73-102***				
4-Bromofluorobenzene	***80***	***65-104***				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

VOLATILES by EPA 8260B
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-01-0311**					
Laboratory ID:	03-260-06					
Dichlorodifluoromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chloromethane	ND	1.0	EPA 8260	4-1-11	4-1-11	
Vinyl Chloride	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromomethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chloroethane	ND	1.0	EPA 8260	4-1-11	4-1-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Acetone	ND	5.0	EPA 8260	4-1-11	4-1-11	
Iodomethane	ND	1.0	EPA 8260	4-1-11	4-1-11	
Carbon Disulfide	ND	0.20	EPA 8260	4-1-11	4-1-11	
Methylene Chloride	ND	1.0	EPA 8260	4-1-11	4-1-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Vinyl Acetate	ND	2.0	EPA 8260	4-1-11	4-1-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Butanone	ND	5.0	EPA 8260	4-1-11	4-1-11	
Bromochloromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chloroform	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Benzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Trichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Dibromomethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromodichloromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	4-1-11	4-1-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	4-1-11	4-1-11	
Toluene	ND	1.0	EPA 8260	4-1-11	4-1-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	4-1-11	4-1-11	

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-01-0311**					
Laboratory ID:	03-260-06					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Tetrachloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Hexanone	ND	2.0	EPA 8260	4-1-11	4-1-11	
Dibromochloromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Ethylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
m,p-Xylene	ND	0.40	EPA 8260	4-1-11	4-1-11	
o-Xylene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Styrene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromoform	ND	1.0	EPA 8260	4-1-11	4-1-11	
Isopropylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
n-Propylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Chlorotoluene	ND	0.20	EPA 8260	4-1-11	4-1-11	
4-Chlorotoluene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
tert-Butylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
sec-Butylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
n-Butylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	4-1-11	4-1-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Naphthalene	ND	1.0	EPA 8260	4-1-11	4-1-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***91***	***68-107***				
Toluene-d8	***91***	***73-102***				
4-Bromofluorobenzene	***87***	***65-104***				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0401W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chloromethane	ND	1.0	EPA 8260	4-1-11	4-1-11	
Vinyl Chloride	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromomethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chloroethane	ND	1.0	EPA 8260	4-1-11	4-1-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Acetone	ND	5.0	EPA 8260	4-1-11	4-1-11	
Iodomethane	ND	1.0	EPA 8260	4-1-11	4-1-11	
Carbon Disulfide	ND	0.20	EPA 8260	4-1-11	4-1-11	
Methylene Chloride	ND	1.0	EPA 8260	4-1-11	4-1-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Vinyl Acetate	ND	2.0	EPA 8260	4-1-11	4-1-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Butanone	ND	5.0	EPA 8260	4-1-11	4-1-11	
Bromochloromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chloroform	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Benzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Trichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Dibromomethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromodichloromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	4-1-11	4-1-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	4-1-11	4-1-11	
Toluene	ND	1.0	EPA 8260	4-1-11	4-1-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	4-1-11	4-1-11	

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0401W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Tetrachloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Hexanone	ND	2.0	EPA 8260	4-1-11	4-1-11	
Dibromochloromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Ethylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
m,p-Xylene	ND	0.40	EPA 8260	4-1-11	4-1-11	
o-Xylene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Styrene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromoform	ND	1.0	EPA 8260	4-1-11	4-1-11	
Isopropylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
n-Propylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Chlorotoluene	ND	0.20	EPA 8260	4-1-11	4-1-11	
4-Chlorotoluene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
tert-Butylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
sec-Butylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
n-Butylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	4-1-11	4-1-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Naphthalene	ND	1.0	EPA 8260	4-1-11	4-1-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***83***	***68-107***				
Toluene-d8	***92***	***73-102***				
4-Bromofluorobenzene	***87***	***65-104***				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-260-06										
	MS	MSD	MS	MSD		MS	MSD				
1,1-Dichloroethene	**9.29**	**9.21**	10.0	10.0	ND	93	92	70-130	1	12	
Benzene	**9.53**	**9.67**	10.0	10.0	ND	95	97	84-123	1	11	
Trichloroethene	**9.49**	**9.61**	10.0	10.0	ND	95	96	80-117	1	14	
Toluene	**9.71**	**9.68**	10.0	10.0	ND	97	97	87-115	0	12	
Chlorobenzene	**10.0**	**10.0**	10.0	10.0	ND	100	100	86-117	0	13	
Surrogate:											
Dibromofluoromethane						***87***	***82***	***68-107***			
Toluene-d8						***91***	***84***	***73-102***			
4-Bromofluorobenzene						***88***	***81***	***65-104***			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-05-0311**					
Laboratory ID:	03-260-02					
Naphthalene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
2-Methylnaphthalene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
1-Methylnaphthalene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Acenaphthylene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Acenaphthene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Fluorene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Phenanthrene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Anthracene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Fluoranthene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Pyrene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[a]anthracene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Chrysene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[b]fluoranthene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[k]fluoranthene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[a]pyrene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Dibenz[a,h]anthracene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[g,h,i]perylene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***67***	***38 - 105***				
Pyrene-d10	***87***	***37 - 121***				
Terphenyl-d14	***83***	***32 - 112***				

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-03-0311**					
Laboratory ID:	03-260-03					
Naphthalene	**4.8**	0.096	EPA 8270/SIM	3-30-11	4-2-11	
2-Methylnaphthalene	**0.37**	0.096	EPA 8270/SIM	3-30-11	4-2-11	
1-Methylnaphthalene	**0.25**	0.096	EPA 8270/SIM	3-30-11	4-2-11	
Acenaphthylene	**ND**	0.096	EPA 8270/SIM	3-30-11	4-2-11	
Acenaphthene	**ND**	0.096	EPA 8270/SIM	3-30-11	4-2-11	
Fluorene	**ND**	0.096	EPA 8270/SIM	3-30-11	4-2-11	
Phenanthrene	**ND**	0.096	EPA 8270/SIM	3-30-11	4-2-11	
Anthracene	**ND**	0.096	EPA 8270/SIM	3-30-11	4-2-11	
Fluoranthene	**ND**	0.096	EPA 8270/SIM	3-30-11	4-2-11	
Pyrene	**ND**	0.096	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[a]anthracene	**ND**	0.0096	EPA 8270/SIM	3-30-11	4-2-11	
Chrysene	**ND**	0.0096	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[b]fluoranthene	**ND**	0.0096	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[k]fluoranthene	**ND**	0.0096	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[a]pyrene	**ND**	0.0096	EPA 8270/SIM	3-30-11	4-2-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0096	EPA 8270/SIM	3-30-11	4-2-11	
Dibenz[a,h]anthracene	**ND**	0.0096	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[g,h,i]perylene	**ND**	0.0096	EPA 8270/SIM	3-30-11	4-2-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***52***	***38 - 105***				
Pyrene-d10	***64***	***37 - 121***				
Terphenyl-d14	***64***	***32 - 112***				

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-03-0311-D**					
Laboratory ID:	03-260-04					
Naphthalene	**5.7**	0.47	EPA 8270/SIM	3-30-11	4-4-11	
2-Methylnaphthalene	**0.37**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
1-Methylnaphthalene	**0.25**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Acenaphthylene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Acenaphthene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Fluorene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Phenanthrene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Anthracene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Fluoranthene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Pyrene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[a]anthracene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Chrysene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[b]fluoranthene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[k]fluoranthene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[a]pyrene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Dibenz[a,h]anthracene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[g,h,i]perylene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***59***	***38 - 105***				
Pyrene-d10	***62***	***37 - 121***				
Terphenyl-d14	***71***	***32 - 112***				

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-02-0311**					
Laboratory ID:	03-260-05					
Naphthalene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
2-Methylnaphthalene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
1-Methylnaphthalene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Acenaphthylene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Acenaphthene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Fluorene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Phenanthrene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Anthracene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Fluoranthene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Pyrene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[a]anthracene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Chrysene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[b]fluoranthene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[k]fluoranthene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[a]pyrene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Dibenz[a,h]anthracene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[g,h,i]perylene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***66***	***38 - 105***				
Pyrene-d10	***84***	***37 - 121***				
Terphenyl-d14	***79***	***32 - 112***				

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-01-0311**					
Laboratory ID:	03-260-06					
Naphthalene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
2-Methylnaphthalene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
1-Methylnaphthalene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Acenaphthylene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Acenaphthene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Fluorene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Phenanthrene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Anthracene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Fluoranthene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Pyrene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[a]anthracene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Chrysene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[b]fluoranthene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[k]fluoranthene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[a]pyrene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Dibenz[a,h]anthracene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[g,h,i]perylene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***45***	***38 - 105***				
Pyrene-d10	***52***	***37 - 121***				
Terphenyl-d14	***49***	***32 - 112***				

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-04-0311**					
Laboratory ID:	03-260-07					
Naphthalene	**7.2**	0.58	EPA 8270/SIM	3-30-11	4-4-11	
2-Methylnaphthalene	**0.93**	0.12	EPA 8270/SIM	3-30-11	4-2-11	
1-Methylnaphthalene	**0.56**	0.12	EPA 8270/SIM	3-30-11	4-2-11	
Acenaphthylene	**ND**	0.12	EPA 8270/SIM	3-30-11	4-2-11	
Acenaphthene	**ND**	0.12	EPA 8270/SIM	3-30-11	4-2-11	
Fluorene	**ND**	0.12	EPA 8270/SIM	3-30-11	4-2-11	
Phenanthrene	**ND**	0.12	EPA 8270/SIM	3-30-11	4-2-11	
Anthracene	**ND**	0.12	EPA 8270/SIM	3-30-11	4-2-11	
Fluoranthene	**ND**	0.12	EPA 8270/SIM	3-30-11	4-2-11	
Pyrene	**ND**	0.12	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[a]anthracene	**ND**	0.012	EPA 8270/SIM	3-30-11	4-2-11	
Chrysene	**ND**	0.012	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[b]fluoranthene	**ND**	0.012	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[k]fluoranthene	**ND**	0.012	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[a]pyrene	**ND**	0.012	EPA 8270/SIM	3-30-11	4-2-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.012	EPA 8270/SIM	3-30-11	4-2-11	
Dibenz[a,h]anthracene	**ND**	0.012	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[g,h,i]perylene	**ND**	0.012	EPA 8270/SIM	3-30-11	4-2-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***38***	***38 - 105***				
Pyrene-d10	***76***	***37 - 121***				
Terphenyl-d14	***71***	***32 - 112***				

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

PAHs by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0330W1					
Naphthalene	**ND**	0.10	EPA 8270/SIM	3-30-11	3-30-11	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	3-30-11	3-30-11	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	3-30-11	3-30-11	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	3-30-11	3-30-11	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	3-30-11	3-30-11	
Fluorene	**ND**	0.10	EPA 8270/SIM	3-30-11	3-30-11	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	3-30-11	3-30-11	
Anthracene	**ND**	0.10	EPA 8270/SIM	3-30-11	3-30-11	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	3-30-11	3-30-11	
Pyrene	**ND**	0.10	EPA 8270/SIM	3-30-11	3-30-11	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	3-30-11	3-30-11	
Chrysene	**ND**	0.010	EPA 8270/SIM	3-30-11	3-30-11	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	3-30-11	3-30-11	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	3-30-11	3-30-11	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	3-30-11	3-30-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.010	EPA 8270/SIM	3-30-11	3-30-11	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	3-30-11	3-30-11	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	3-30-11	3-30-11	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***79***	***38 - 105***				
Pyrene-d10	***84***	***37 - 121***				
Terphenyl-d14	***79***	***32 - 112***				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

PAHs by EPA 8270D/SIM
MS/MSD QUALITY CONTROL
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-260-02										
	MS	MSD	MS	MSD		MS	MSD				
Naphthalene	**0.332**	**0.336**	0.474	0.477	ND	70	70	38 - 110	1	25	
Acenaphthylene	**0.349**	**0.356**	0.474	0.477	ND	74	75	47 - 120	2	25	
Acenaphthene	**0.345**	**0.361**	0.474	0.477	ND	73	76	46 - 113	5	25	
Fluorene	**0.373**	**0.393**	0.474	0.477	ND	79	82	55 - 113	5	25	
Phenanthrene	**0.366**	**0.388**	0.474	0.477	ND	77	81	58 - 109	6	25	
Anthracene	**0.416**	**0.441**	0.474	0.477	ND	88	92	55 - 122	6	25	
Fluoranthene	**0.397**	**0.425**	0.474	0.477	ND	84	89	58 - 129	7	25	
Pyrene	**0.389**	**0.416**	0.474	0.477	ND	82	87	57 - 126	7	25	
Benzo[a]anthracene	**0.358**	**0.381**	0.474	0.477	ND	76	80	51 - 124	6	25	
Chrysene	**0.358**	**0.379**	0.474	0.477	ND	76	79	53 - 123	6	25	
Benzo[b]fluoranthene	**0.352**	**0.378**	0.474	0.477	ND	74	79	53 - 126	7	25	
Benzo[k]fluoranthene	**0.334**	**0.363**	0.474	0.477	ND	70	76	51 - 126	8	25	
Benzo[a]pyrene	**0.347**	**0.369**	0.474	0.477	ND	73	77	52 - 127	6	25	
Indeno(1,2,3-c,d)pyrene	**0.328**	**0.354**	0.474	0.477	ND	69	74	49 - 123	8	25	
Dibenz[a,h]anthracene	**0.316**	**0.339**	0.474	0.477	ND	67	71	39 - 125	7	25	
Benzo[g,h,i]perylene	**0.328**	**0.347**	0.474	0.477	ND	69	73	40 - 125	6	25	
Surrogate:											
2-Fluorobiphenyl						***70***	***69***	***38 - 105***			
Pyrene-d10						***87***	***91***	***37 - 121***			
Terphenyl-d14						***77***	***80***	***32 - 112***			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

TOTAL METALS
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	03-260-02					
Client ID:	**KMW-05-0311**					
Arsenic	**ND**	3.3	200.8	3-30-11	3-30-11	
Chromium	**ND**	11	200.8	3-30-11	3-30-11	
Lead	**ND**	1.1	200.8	3-30-11	3-31-11	
Lab ID:	03-260-03					
Client ID:	**KMW-03-0311**					
Arsenic	**ND**	3.3	200.8	3-30-11	3-30-11	
Chromium	**ND**	11	200.8	3-30-11	3-30-11	
Lead	**ND**	1.1	200.8	3-30-11	3-31-11	
Lab ID:	03-260-04					
Client ID:	**KMW-03-0311-D**					
Arsenic	**ND**	3.3	200.8	3-30-11	3-30-11	
Chromium	**ND**	11	200.8	3-30-11	3-30-11	
Lead	**ND**	1.1	200.8	3-30-11	3-31-11	
Lab ID:	03-260-05					
Client ID:	**KMW-02-0311**					
Arsenic	**ND**	3.3	200.8	3-30-11	3-30-11	
Chromium	**ND**	11	200.8	3-30-11	3-30-11	
Lead	**ND**	1.1	200.8	3-30-11	3-31-11	
Lab ID:	03-260-06					
Client ID:	**KMW-01-0311**					
Arsenic	**ND**	3.3	200.8	3-30-11	3-30-11	
Chromium	**ND**	11	200.8	3-30-11	3-30-11	
Lead	**ND**	1.1	200.8	3-30-11	3-31-11	

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

TOTAL METALS
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	03-260-07					
Client ID:	**KMW-04-0311**					
Arsenic	**12**	3.3	200.8	3-30-11	3-30-11	
Chromium	**ND**	11	200.8	3-30-11	3-30-11	
Lead	**ND**	1.1	200.8	3-30-11	3-31-11	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

TOTAL METALS
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Extracted:	3-30-11
Date Analyzed:	3-30&31-11
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0330W3

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Chromium	200.8	**ND**	11
Lead	200.8	**ND**	1.1

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

TOTAL METALS
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Extracted: 3-30-11
Date Analyzed: 3-30&31-11

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-260-02

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	3.3	
Chromium	**ND**	**ND**	NA	11	
Lead	**ND**	**ND**	NA	1.1	

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

TOTAL METALS
EPA 200.8
MS/MSD QUALITY CONTROL

Date Extracted: 3-30-11
Date Analyzed: 3-30&31-11

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-260-02

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	110	**109**	99	**110**	100	1	
Chromium	110	**120**	109	**120**	109	0	
Lead	110	**108**	98	**110**	100	2	

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

DISSOLVED METALS
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	03-260-02					
Client ID:	**KMW-05-0311**					
Arsenic	**ND**	3.0	200.8		3-30-11	
Chromium	**ND**	10	200.8		3-30-11	
Lead	**ND**	1.0	200.8		3-30-11	
Lab ID:	03-260-03					
Client ID:	**KMW-03-0311**					
Arsenic	**ND**	3.0	200.8		3-30-11	
Chromium	**ND**	10	200.8		3-30-11	
Lead	**ND**	1.0	200.8		3-31-11	
Lab ID:	03-260-04					
Client ID:	**KMW-03-0311-D**					
Arsenic	**ND**	3.0	200.8		3-30-11	
Chromium	**ND**	10	200.8		3-30-11	
Lead	**ND**	1.0	200.8		3-31-11	
Lab ID:	03-260-05					
Client ID:	**KMW-02-0311**					
Arsenic	**ND**	3.0	200.8		3-30-11	
Chromium	**ND**	10	200.8		3-30-11	
Lead	**ND**	1.0	200.8		3-31-11	
Lab ID:	03-260-06					
Client ID:	**KMW-01-0311**					
Arsenic	**ND**	3.0	200.8		3-30-11	
Chromium	**ND**	10	200.8		3-30-11	
Lead	**ND**	1.0	200.8		3-31-11	

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

DISSOLVED METALS
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	03-260-07					
Client ID:	**KMW-04-0311**					
Arsenic	**12**	3.0	200.8		3-30-11	
Chromium	**ND**	10	200.8		3-30-11	
Lead	**ND**	1.0	200.8		3-31-11	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

DISSOLVED METALS
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Analyzed: 3-30-11

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0330D3

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.0
Chromium	200.8	**ND**	10
Lead	200.8	**ND**	1.0

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

DISSOLVED METALS
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Analyzed: 3-30-11

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-260-02

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	3.0	
Chromium	**ND**	**ND**	NA	10	
Lead	**ND**	**ND**	NA	1.0	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

DISSOLVED METALS
EPA 200.8
MS/MSD QUALITY CONTROL

Date Analyzed: 3-30-11

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-260-02

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	200	**211**	105	**208**	104	1	
Chromium	200	**209**	105	**209**	104	0	
Lead	200	**192**	96	**190**	95	1	

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC Geomatrix
Project Number: 00146970030
Project Name: Kelly Moore
Project Manager: Tasya Gray
Sampled by: Shauna Mikelich

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
(TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 03-260

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260B	Halogenated Volatiles 8260B	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081A	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA / MTCA Metals (circle one) As, Pb, Cr-Total	TCLP Metals	HEM (oil and grease) 1664	Dissolved Metals** As, Pb						% Moisture
1	TB-032811	3/28/11	—	W	1					X								~~X~~	sm		~~X~~	sm						
2*	KMW-05-0311*	3/28/11	9:05	W	14		X						X					X			X						
3	KMW-03-0311	3/28/11	1015	W	6		X						X					X			X						
4	KMW-03-0311-D	3/28/11	1018	W	6		X						X					X			X						
5	KMW-02-0311	3/28/11	1245	W	9			X		X			X					X			X						
	~~KMW-04-0311~~	3/28/11																									sm
6	KMW-01-0311	3/28/11	1350	W	9			X		X			X					X			X						
7	KMW-04-0311	3/28/11	1502	W	6		X						X					X			X						

AM 3/28/11

	Signature	Company	Date	Time
Relinquished		AMEC Geomatrix	3/28/11	1738
Received		CORE	3/28/11	1738
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
*KMW-05-0311 → Extra Volume for MS/MSD
** - Field Filtered

Chromatograms with final report ☐

Data Package: Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

June 24, 2013

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project 14697005011
Laboratory Reference No. 1306-067

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on June 7, 2013.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

Case Narrative

Samples were collected on June 7, 2013 and received by the laboratory on June 7, 2013. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx Analysis

The chromatogram for sample KMW-04-060713 is not similar to that of a typical gas.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-01-060713**					
Laboratory ID:	06-067-01					
Gasoline	**ND**	100	NWTPH-Gx	6-13-13	6-13-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*71-116*				
Client ID:	**KMW-02-060713**					
Laboratory ID:	06-067-02					
Gasoline	**ND**	100	NWTPH-Gx	6-13-13	6-13-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*83*	*71-116*				
Client ID:	**KMW-03-060713**					
Laboratory ID:	06-067-03					
Gasoline	**1100**	400	NWTPH-Gx	6-13-13	6-13-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*71-116*				
Client ID:	**KMW-04-060713**					
Laboratory ID:	06-067-04					
Gasoline	**48000**	5000	NWTPH-Gx	6-13-13	6-13-13	T
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*96*	*71-116*				
Client ID:	**KMW-05-060713**					
Laboratory ID:	06-067-05					
Gasoline	**ND**	100	NWTPH-Gx	6-13-13	6-13-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*71-116*				

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Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

NWTPH-Gx
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0613W1					
Gasoline	**ND**	100	NWTPH-Gx	6-13-13	6-13-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*71-116*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	06-067-01										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*84*	*86*	*71-116*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

VOLATILES by EPA 8260C
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-01-060713**					
Laboratory ID:	06-067-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Chloromethane	ND	1.0	EPA 8260C	6-10-13	6-10-13	
Vinyl Chloride	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Bromomethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Chloroethane	ND	1.0	EPA 8260C	6-10-13	6-10-13	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Acetone	ND	5.0	EPA 8260C	6-10-13	6-10-13	
Iodomethane	ND	1.0	EPA 8260C	6-10-13	6-10-13	
Carbon Disulfide	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Methylene Chloride	ND	1.0	EPA 8260C	6-10-13	6-10-13	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Vinyl Acetate	ND	1.0	EPA 8260C	6-10-13	6-10-13	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
2-Butanone	ND	5.0	EPA 8260C	6-10-13	6-10-13	
Bromochloromethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Chloroform	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Benzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Trichloroethene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Dibromomethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Bromodichloromethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-10-13	6-10-13	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260C	6-10-13	6-10-13	
Toluene	ND	1.0	EPA 8260C	6-10-13	6-10-13	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-10-13	6-10-13	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

VOLATILES by EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-01-060713**					
Laboratory ID:	06-067-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Tetrachloroethene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
2-Hexanone	ND	2.0	EPA 8260C	6-10-13	6-10-13	
Dibromochloromethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Chlorobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Ethylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
m,p-Xylene	ND	0.40	EPA 8260C	6-10-13	6-10-13	
o-Xylene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Styrene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Bromoform	ND	1.0	EPA 8260C	6-10-13	6-10-13	
Isopropylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Bromobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
n-Propylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
tert-Butylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
sec-Butylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
p-Isopropyltoluene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
n-Butylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-10-13	6-10-13	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Hexachlorobutadiene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Naphthalene	ND	1.4	EPA 8260C	6-10-13	6-10-13	
1,2,3-Trichlorobenzene	ND	0.28	EPA 8260C	6-10-13	6-10-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*109*	*66-120*				
Toluene-d8	*104*	*70-120*				
4-Bromofluorobenzene	*98*	*63-120*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

VOLATILES by EPA 8260C
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-02-060713**					
Laboratory ID:	06-067-02					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Chloromethane	ND	1.0	EPA 8260C	6-10-13	6-10-13	
Vinyl Chloride	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Bromomethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Chloroethane	ND	1.0	EPA 8260C	6-10-13	6-10-13	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Acetone	ND	5.0	EPA 8260C	6-10-13	6-10-13	
Iodomethane	ND	1.0	EPA 8260C	6-10-13	6-10-13	
Carbon Disulfide	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Methylene Chloride	ND	1.0	EPA 8260C	6-10-13	6-10-13	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Vinyl Acetate	ND	1.0	EPA 8260C	6-10-13	6-10-13	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
2-Butanone	ND	5.0	EPA 8260C	6-10-13	6-10-13	
Bromochloromethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Chloroform	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Benzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Trichloroethene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Dibromomethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Bromodichloromethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-10-13	6-10-13	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260C	6-10-13	6-10-13	
Toluene	ND	1.0	EPA 8260C	6-10-13	6-10-13	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-10-13	6-10-13	

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Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-02-060713**					
Laboratory ID:	06-067-02					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Tetrachloroethene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
2-Hexanone	ND	2.0	EPA 8260C	6-10-13	6-10-13	
Dibromochloromethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Chlorobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Ethylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
m,p-Xylene	ND	0.40	EPA 8260C	6-10-13	6-10-13	
o-Xylene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Styrene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Bromoform	ND	1.0	EPA 8260C	6-10-13	6-10-13	
Isopropylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Bromobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
n-Propylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
tert-Butylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
sec-Butylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
p-Isopropyltoluene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
n-Butylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-10-13	6-10-13	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Hexachlorobutadiene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Naphthalene	ND	1.4	EPA 8260C	6-10-13	6-10-13	
1,2,3-Trichlorobenzene	ND	0.28	EPA 8260C	6-10-13	6-10-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*107*	*66-120*				
Toluene-d8	*103*	*70-120*				
4-Bromofluorobenzene	*99*	*63-120*				

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Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

VOLATILES by EPA 8260C
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-03-060713**					
Laboratory ID:	06-067-03					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Chloromethane	ND	1.0	EPA 8260C	6-10-13	6-10-13	
Vinyl Chloride	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Bromomethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Chloroethane	ND	1.0	EPA 8260C	6-10-13	6-10-13	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Acetone	ND	5.0	EPA 8260C	6-10-13	6-10-13	
Iodomethane	ND	1.0	EPA 8260C	6-10-13	6-10-13	
Carbon Disulfide	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Methylene Chloride	ND	1.0	EPA 8260C	6-10-13	6-10-13	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Vinyl Acetate	ND	1.0	EPA 8260C	6-10-13	6-10-13	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
2-Butanone	ND	5.0	EPA 8260C	6-10-13	6-10-13	
Bromochloromethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Chloroform	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Benzene	0.41	0.20	EPA 8260C	6-10-13	6-10-13	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Trichloroethene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Dibromomethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Bromodichloromethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-10-13	6-10-13	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260C	6-10-13	6-10-13	
Toluene	ND	1.0	EPA 8260C	6-10-13	6-10-13	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-10-13	6-10-13	

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Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-03-060713**					
Laboratory ID:	06-067-03					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Tetrachloroethene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
2-Hexanone	ND	2.0	EPA 8260C	6-10-13	6-10-13	
Dibromochloromethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Chlorobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Ethylbenzene	27	0.20	EPA 8260C	6-10-13	6-10-13	
m,p-Xylene	ND	0.40	EPA 8260C	6-10-13	6-10-13	
o-Xylene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Styrene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Bromoform	ND	1.0	EPA 8260C	6-10-13	6-10-13	
Isopropylbenzene	41	0.20	EPA 8260C	6-10-13	6-10-13	
Bromobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
n-Propylbenzene	47	0.20	EPA 8260C	6-10-13	6-10-13	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
tert-Butylbenzene	0.28	0.20	EPA 8260C	6-10-13	6-10-13	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
sec-Butylbenzene	2.9	0.20	EPA 8260C	6-10-13	6-10-13	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
p-Isopropyltoluene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
n-Butylbenzene	2.4	0.20	EPA 8260C	6-10-13	6-10-13	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-10-13	6-10-13	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Hexachlorobutadiene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Naphthalene	9.8	1.4	EPA 8260C	6-10-13	6-10-13	
1,2,3-Trichlorobenzene	ND	0.28	EPA 8260C	6-10-13	6-10-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*111*	*66-120*				
Toluene-d8	*111*	*70-120*				
4-Bromofluorobenzene	*110*	*63-120*				

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Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

VOLATILES by EPA 8260C
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-04-060713**					
Laboratory ID:	06-067-04					
Dichlorodifluoromethane	ND	20	EPA 8260C	6-10-13	6-10-13	
Chloromethane	ND	100	EPA 8260C	6-10-13	6-10-13	
Vinyl Chloride	ND	20	EPA 8260C	6-10-13	6-10-13	
Bromomethane	ND	20	EPA 8260C	6-10-13	6-10-13	
Chloroethane	ND	100	EPA 8260C	6-10-13	6-10-13	
Trichlorofluoromethane	ND	20	EPA 8260C	6-10-13	6-10-13	
1,1-Dichloroethene	ND	20	EPA 8260C	6-10-13	6-10-13	
Acetone	ND	500	EPA 8260C	6-10-13	6-10-13	
Iodomethane	ND	100	EPA 8260C	6-10-13	6-10-13	
Carbon Disulfide	ND	20	EPA 8260C	6-10-13	6-10-13	
Methylene Chloride	ND	100	EPA 8260C	6-10-13	6-10-13	
(trans) 1,2-Dichloroethene	ND	20	EPA 8260C	6-10-13	6-10-13	
Methyl t-Butyl Ether	ND	20	EPA 8260C	6-10-13	6-10-13	
1,1-Dichloroethane	ND	20	EPA 8260C	6-10-13	6-10-13	
Vinyl Acetate	ND	100	EPA 8260C	6-10-13	6-10-13	
2,2-Dichloropropane	ND	20	EPA 8260C	6-10-13	6-10-13	
(cis) 1,2-Dichloroethene	ND	20	EPA 8260C	6-10-13	6-10-13	
2-Butanone	ND	500	EPA 8260C	6-10-13	6-10-13	
Bromochloromethane	ND	20	EPA 8260C	6-10-13	6-10-13	
Chloroform	ND	20	EPA 8260C	6-10-13	6-10-13	
1,1,1-Trichloroethane	ND	20	EPA 8260C	6-10-13	6-10-13	
Carbon Tetrachloride	ND	20	EPA 8260C	6-10-13	6-10-13	
1,1-Dichloropropene	ND	20	EPA 8260C	6-10-13	6-10-13	
Benzene	ND	20	EPA 8260C	6-10-13	6-10-13	
1,2-Dichloroethane	ND	20	EPA 8260C	6-10-13	6-10-13	
Trichloroethene	ND	20	EPA 8260C	6-10-13	6-10-13	
1,2-Dichloropropane	ND	20	EPA 8260C	6-10-13	6-10-13	
Dibromomethane	ND	20	EPA 8260C	6-10-13	6-10-13	
Bromodichloromethane	ND	20	EPA 8260C	6-10-13	6-10-13	
2-Chloroethyl Vinyl Ether	ND	100	EPA 8260C	6-10-13	6-10-13	
(cis) 1,3-Dichloropropene	ND	20	EPA 8260C	6-10-13	6-10-13	
Methyl Isobutyl Ketone	ND	200	EPA 8260C	6-10-13	6-10-13	
Toluene	3800	100	EPA 8260C	6-10-13	6-10-13	
(trans) 1,3-Dichloropropene	ND	20	EPA 8260C	6-10-13	6-10-13	

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Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

VOLATILES by EPA 8260C
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-04-060713**					
Laboratory ID:	06-067-04					
1,1,2-Trichloroethane	ND	20	EPA 8260C	6-10-13	6-10-13	
Tetrachloroethene	ND	20	EPA 8260C	6-10-13	6-10-13	
1,3-Dichloropropane	ND	20	EPA 8260C	6-10-13	6-10-13	
2-Hexanone	ND	200	EPA 8260C	6-10-13	6-10-13	
Dibromochloromethane	ND	20	EPA 8260C	6-10-13	6-10-13	
1,2-Dibromoethane	ND	20	EPA 8260C	6-10-13	6-10-13	
Chlorobenzene	ND	20	EPA 8260C	6-10-13	6-10-13	
1,1,1,2-Tetrachloroethane	ND	20	EPA 8260C	6-10-13	6-10-13	
Ethylbenzene	3400	20	EPA 8260C	6-10-13	6-10-13	
m,p-Xylene	6800	40	EPA 8260C	6-10-13	6-10-13	
o-Xylene	2200	20	EPA 8260C	6-10-13	6-10-13	
Styrene	ND	20	EPA 8260C	6-10-13	6-10-13	
Bromoform	ND	100	EPA 8260C	6-10-13	6-10-13	
Isopropylbenzene	41	20	EPA 8260C	6-10-13	6-10-13	
Bromobenzene	ND	20	EPA 8260C	6-10-13	6-10-13	
1,1,2,2-Tetrachloroethane	ND	20	EPA 8260C	6-10-13	6-10-13	
1,2,3-Trichloropropane	ND	20	EPA 8260C	6-10-13	6-10-13	
n-Propylbenzene	32	20	EPA 8260C	6-10-13	6-10-13	
2-Chlorotoluene	ND	20	EPA 8260C	6-10-13	6-10-13	
4-Chlorotoluene	ND	20	EPA 8260C	6-10-13	6-10-13	
1,3,5-Trimethylbenzene	ND	20	EPA 8260C	6-10-13	6-10-13	
tert-Butylbenzene	ND	20	EPA 8260C	6-10-13	6-10-13	
1,2,4-Trimethylbenzene	77	20	EPA 8260C	6-10-13	6-10-13	
sec-Butylbenzene	ND	20	EPA 8260C	6-10-13	6-10-13	
1,3-Dichlorobenzene	ND	20	EPA 8260C	6-10-13	6-10-13	
p-Isopropyltoluene	ND	20	EPA 8260C	6-10-13	6-10-13	
1,4-Dichlorobenzene	ND	20	EPA 8260C	6-10-13	6-10-13	
1,2-Dichlorobenzene	ND	20	EPA 8260C	6-10-13	6-10-13	
n-Butylbenzene	ND	20	EPA 8260C	6-10-13	6-10-13	
1,2-Dibromo-3-chloropropane	ND	100	EPA 8260C	6-10-13	6-10-13	
1,2,4-Trichlorobenzene	ND	20	EPA 8260C	6-10-13	6-10-13	
Hexachlorobutadiene	ND	20	EPA 8260C	6-10-13	6-10-13	
Naphthalene	ND	140	EPA 8260C	6-10-13	6-10-13	
1,2,3-Trichlorobenzene	ND	28	EPA 8260C	6-10-13	6-10-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*108*	*66-120*				
Toluene-d8	*104*	*70-120*				
4-Bromofluorobenzene	*98*	*63-120*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

VOLATILES by EPA 8260C
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-05-060713**					
Laboratory ID:	06-067-05					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Chloromethane	ND	1.0	EPA 8260C	6-10-13	6-10-13	
Vinyl Chloride	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Bromomethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Chloroethane	ND	1.0	EPA 8260C	6-10-13	6-10-13	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Acetone	ND	5.0	EPA 8260C	6-10-13	6-10-13	
Iodomethane	ND	1.0	EPA 8260C	6-10-13	6-10-13	
Carbon Disulfide	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Methylene Chloride	ND	1.0	EPA 8260C	6-10-13	6-10-13	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Vinyl Acetate	ND	1.0	EPA 8260C	6-10-13	6-10-13	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
2-Butanone	ND	5.0	EPA 8260C	6-10-13	6-10-13	
Bromochloromethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Chloroform	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Benzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Trichloroethene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Dibromomethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Bromodichloromethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-10-13	6-10-13	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260C	6-10-13	6-10-13	
Toluene	ND	1.0	EPA 8260C	6-10-13	6-10-13	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-10-13	6-10-13	

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Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

VOLATILES by EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-05-060713**					
Laboratory ID:	06-067-05					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Tetrachloroethene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
2-Hexanone	ND	2.0	EPA 8260C	6-10-13	6-10-13	
Dibromochloromethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Chlorobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Ethylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
m,p-Xylene	ND	0.40	EPA 8260C	6-10-13	6-10-13	
o-Xylene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Styrene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Bromoform	ND	1.0	EPA 8260C	6-10-13	6-10-13	
Isopropylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Bromobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
n-Propylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
tert-Butylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
sec-Butylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
p-Isopropyltoluene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
n-Butylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-10-13	6-10-13	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Hexachlorobutadiene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Naphthalene	ND	1.4	EPA 8260C	6-10-13	6-10-13	
1,2,3-Trichlorobenzene	ND	0.28	EPA 8260C	6-10-13	6-10-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*110*	*66-120*				
Toluene-d8	*105*	*70-120*				
4-Bromofluorobenzene	*96*	*63-120*				

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Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0610W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Chloromethane	ND	1.0	EPA 8260C	6-10-13	6-10-13	
Vinyl Chloride	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Bromomethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Chloroethane	ND	1.0	EPA 8260C	6-10-13	6-10-13	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Acetone	ND	5.0	EPA 8260C	6-10-13	6-10-13	
Iodomethane	ND	1.0	EPA 8260C	6-10-13	6-10-13	
Carbon Disulfide	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Methylene Chloride	ND	1.0	EPA 8260C	6-10-13	6-10-13	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Vinyl Acetate	ND	1.0	EPA 8260C	6-10-13	6-10-13	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
2-Butanone	ND	5.0	EPA 8260C	6-10-13	6-10-13	
Bromochloromethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Chloroform	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Benzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Trichloroethene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Dibromomethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Bromodichloromethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-10-13	6-10-13	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260C	6-10-13	6-10-13	
Toluene	ND	1.0	EPA 8260C	6-10-13	6-10-13	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-10-13	6-10-13	

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Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0610W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Tetrachloroethene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
2-Hexanone	ND	2.0	EPA 8260C	6-10-13	6-10-13	
Dibromochloromethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Chlorobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Ethylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
m,p-Xylene	ND	0.40	EPA 8260C	6-10-13	6-10-13	
o-Xylene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Styrene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Bromoform	ND	1.0	EPA 8260C	6-10-13	6-10-13	
Isopropylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Bromobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	6-10-13	6-10-13	
n-Propylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
tert-Butylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
sec-Butylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
p-Isopropyltoluene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
n-Butylbenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-10-13	6-10-13	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Hexachlorobutadiene	ND	0.20	EPA 8260C	6-10-13	6-10-13	
Naphthalene	ND	1.4	EPA 8260C	6-10-13	6-10-13	
1,2,3-Trichlorobenzene	ND	0.28	EPA 8260C	6-10-13	6-10-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*106*	*66-120*				
Toluene-d8	*103*	*70-120*				
4-Bromofluorobenzene	*94*	*63-120*				

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Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

VOLATILES by EPA 8260C
MS/MSD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	06-067-02										
	MS	MSD	MS	MSD		MS	MSD				
1,1-Dichloroethene	**10.8**	**10.8**	10.0	10.0	ND	108	108	62-141	0	15	
Benzene	**10.5**	**10.5**	10.0	10.0	ND	105	105	78-118	0	15	
Trichloroethene	**9.20**	**9.19**	10.0	10.0	ND	92	92	80-115	0	15	
Toluene	**10.2**	**10.3**	10.0	10.0	ND	102	103	80-116	1	15	
Chlorobenzene	**10.2**	**10.2**	10.0	10.0	ND	102	102	80-118	0	15	
Surrogate:											
Dibromofluoromethane						*115*	*108*	*66-120*			
Toluene-d8						*108*	*103*	*70-120*			
4-Bromofluorobenzene						*99*	*97*	*63-120*			

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Laboratory Reference: 1306-067
Project: 14697005011

TOTAL ORGANIC CARBON
SM 5310B

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-01-060713**					
Laboratory ID:	06-067-01					
Total Organic Carbon	**ND**	1.0	SM 5310B	6-12-13	6-12-13	
Client ID:	**KMW-02-060713**					
Laboratory ID:	06-067-02					
Total Organic Carbon	**1.2**	1.0	SM 5310B	6-12-13	6-12-13	
Client ID:	**KMW-03-060713**					
Laboratory ID:	06-067-03					
Total Organic Carbon	**4.7**	1.0	SM 5310B	6-12-13	6-12-13	
Client ID:	**KMW-04-060713**					
Laboratory ID:	06-067-04					
Total Organic Carbon	**11**	1.0	SM 5310B	6-12-13	6-12-13	
Client ID:	**KMW-05-060713**					
Laboratory ID:	06-067-05					
Total Organic Carbon	**ND**	1.0	SM 5310B	6-12-13	6-12-13	

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Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

TOTAL ORGANIC CARBON
SM 5310B
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0612W1					
Total Organic Carbon	**ND**	1.0	SM 5310B	6-12-13	6-12-13	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	06-067-01								
	ORIG	DUP							
Total Organic Carbon	**ND**	**ND**	NA	NA	NA	NA	NA	20	
MATRIX SPIKE									
Laboratory ID:	06-067-01								
	MS		MS		MS				
Total Organic Carbon	**11.2**		10.0	ND	112	75-125	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB0612W1								
	SB		SB		SB				
Total Organic Carbon	**10.3**		10.0	NA	103	75-125	NA	NA	

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Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

TOTAL METALS
EPA 6010C

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	06-067-01					
Client ID:	**KMW-01-060713**					
Iron	**2400**	50	6010C	6-12-13	6-12-13	
Manganese	**150**	10	6010C	6-12-13	6-12-13	
Lab ID:	06-067-02					
Client ID:	**KMW-02-060713**					
Iron	**1600**	50	6010C	6-12-13	6-12-13	
Manganese	**130**	10	6010C	6-12-13	6-12-13	
Lab ID:	06-067-03					
Client ID:	**KMW-03-060713**					
Iron	**6600**	50	6010C	6-12-13	6-12-13	
Manganese	**440**	10	6010C	6-12-13	6-12-13	
Lab ID:	06-067-04					
Client ID:	**KMW-04-060713**					
Iron	**39000**	500	6010C	6-12-13	6-12-13	
Manganese	**930**	10	6010C	6-12-13	6-12-13	
Lab ID:	06-067-05					
Client ID:	**KMW-05-060713**					
Iron	**760**	50	6010C	6-12-13	6-12-13	
Manganese	**150**	10	6010C	6-12-13	6-12-13	

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Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

TOTAL METALS
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Extracted:	6-12-13
Date Analyzed:	6-12-13
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0612WH1

Analyte	Method	Result	PQL
Iron	6010C	**ND**	50
Manganese	6010C	**ND**	10

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Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

TOTAL METALS
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 6-12-13
Date Analyzed: 6-12-13

Matrix: Water
Units: ug/L (ppb)

Lab ID: 06-067-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Iron	**2360**	**2390**	1	50	
Manganese	**151**	**153**	1	10	

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Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

TOTAL METALS
EPA 6010C
MS/MSD QUALITY CONTROL

Date Extracted: 6-12-13
Date Analyzed: 6-12-13

Matrix: Water
Units: ug/L (ppb)

Lab ID: 06-067-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Iron	20000	**22500**	101	**22300**	100	1	
Manganese	1000	**1250**	109	**1220**	107	2	

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Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

TOTAL METALS
EPA 6010C
SPIKE BLANK QUALITY CONTROL

Date Extracted: 6-12-13
Date Analyzed: 6-12-13

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB0612WH1

Analyte	Method	Spike Level	Result	Percent Recovery
Iron	6010C	20000	**21200**	106
Manganese	6010C	1000	**1150**	115

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Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

TOTAL DISSOLVED SOLIDS
SM 2540C

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-01-060713**					
Laboratory ID:	06-067-01					
Total Dissolved Solids	**140**	13	SM 2540C	6-11-13	6-12-13	
Client ID:						
Laboratory ID:	06-067-01 UP					
Total Dissolved Solids	**140**	13	SM 2540C	6-11-13	6-12-13	
Client ID:	**KMW-02-060713**					
Laboratory ID:	06-067-02					
Total Dissolved Solids	**120**	13	SM 2540C	6-11-13	6-12-13	
Client ID:	**KMW-03-060713**					
Laboratory ID:	06-067-03					
Total Dissolved Solids	**250**	13	SM 2540C	6-11-13	6-12-13	
Client ID:	**KMW-04-060713**					
Laboratory ID:	06-067-04					
Total Dissolved Solids	**220**	13	SM 2540C	6-11-13	6-12-13	
Client ID:	**KMW-05-060713**					
Laboratory ID:	06-067-05					
Total Dissolved Solids	**130**	13	SM 2540C	6-11-13	6-12-13	

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Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

TOTAL DISSOLVED SOLIDS
SM 2540C
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0611W1					
Total Dissolved Solids	**ND**	13	SM 2540C	6-11-13	6-12-13	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	06-067-01								
	ORIG	DUP							
Total Dissolved Solids	**140**	**143**	NA	NA	NA	NA	2	16	
SPIKE BLANK									
Laboratory ID:	SB0611W1								
	SB		SB		SB				
Total Dissolved Solids	**485**		500	NA	97	86-111	NA	NA	

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Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

TOTAL SUSPENDED SOLIDS
SM 2540D

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-01-060713**					
Laboratory ID:	06-067-01					
Total Suspended Solids	**ND**	4.0	SM 2540D	6-11-13	6-12-13	
Client ID:	**KMW-02-060713**					
Laboratory ID:	06-067-02					
Total Suspended Solids	**6.0**	4.0	SM 2540D	6-11-13	6-12-13	
Client ID:	**KMW-03-060713**					
Laboratory ID:	06-067-03					
Total Suspended Solids	**6.0**	4.0	SM 2540D	6-11-13	6-12-13	
Client ID:	**KMW-04-060713**					
Laboratory ID:	06-067-04					
Total Suspended Solids	**6.0**	4.0	SM 2540D	6-11-13	6-12-13	
Client ID:	**KMW-05-060713**					
Laboratory ID:	06-067-05					
Total Suspended Solids	**ND**	4.0	SM 2540D	6-11-13	6-12-13	

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Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

TOTAL SUSPENDED SOLIDS
SM 2540D
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0611W1					
Total Suspended Solids	**ND**	4.0	SM 2540D	6-11-13	6-12-13	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	06-067-01								
	ORIG	DUP							
Total Suspended Solids	**ND**	**ND**	NA	NA	NA	NA	NA	18	
SPIKE BLANK									
Laboratory ID:	SB0611W1								
	SB		SB		SB				
Total Suspended Solids	**94.0**		100	NA	94	80-107	NA	NA	

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Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

HARDNESS
EPA 6010C/SM2340B

Matrix: Water
Units: mg eqt. CaCO3/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-01-060713**					
Laboratory ID:	06-067-01					
Total Hardness	**90**	2.0	EPA 6010C/SM 2340B		6-11-13	
Client ID:	**KMW-02-060713**					
Laboratory ID:	06-067-02					
Total Hardness	**63**	2.0	EPA 6010C/SM 2340B		6-11-13	
Client ID:	**KMW-03-060713**					
Laboratory ID:	06-067-03					
Total Hardness	**180**	2.0	EPA 6010C/SM 2340B		6-11-13	
Client ID:	**KMW-04-060713**					
Laboratory ID:	06-067-04					
Total Hardness	**91**	2.0	EPA 6010C/SM 2340B		6-11-13	
Client ID:	**KMW-05-060713**					
Laboratory ID:	06-067-05					
Total Hardness	**62**	2.0	EPA 6010C/SM 2340B		6-11-13	

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Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

HARDNESS
EPA 6010C/SM2340B
QUALITY CONTROL

Matrix: Water
Units: mg eqt. CaCO3/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0611H1					
Total Hardness	**ND**	2.0	6010C/SM 2340B		6-11-13	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	06-067-01										
	ORIG	DUP									
Total Hardness	**90.0**	**90.7**	NA		NA	NA		NA	1	20	
MATRIX SPIKES											
Laboratory ID:	06-067-01										
	MS	MSD	MS	MSD		MS	MSD				
Total Hardness	**1560**	**1570**	1470	1470	90.0	100	101	75-125	1	20	
SPIKE BLANK											
Laboratory ID:	SB0611H1										
	SB		SB			SB					
Total Hardness	**152**		147		NA	103		80-120	NA	NA	

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Date of Report: June 24, 2013
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Laboratory Reference: 1306-067
Project: 14697005011

TOTAL ALKALINITY
EPA 310.2

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-01-060713**					
Laboratory ID:	06-067-01					
Alkalinity	**62**	10	EPA 310.2	6-10-13	6-10-13	
Client ID:	**KMW-02-060713**					
Laboratory ID:	06-067-02					
Alkalinity	**55**	20	EPA 310.2	6-10-13	6-10-13	
Client ID:	**KMW-03-060713**					
Laboratory ID:	06-067-03					
Alkalinity	**220**	50	EPA 310.2	6-10-13	6-10-13	
Client ID:	**KMW-04-060713**					
Laboratory ID:	06-067-04					
Alkalinity	**120**	20	EPA 310.2	6-10-13	6-10-13	
Client ID:	**KMW-05-060713**					
Laboratory ID:	06-067-05					
Alkalinity	**56**	10	EPA 310.2	6-10-13	6-10-13	

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Date of Report: June 24, 2013
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Laboratory Reference: 1306-067
Project: 14697005011

TOTAL ALKALINITY
EPA 310.2
QUALITY CONTROL

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0610W1					
Alkalinity	**ND**	10	EPA 310.2	6-10-13	6-10-13	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	06-067-02								
	ORIG	DUP							
Alkalinity	**55.1**	**53.7**	NA	NA	NA	NA	3	26	
MATRIX SPIKE									
Laboratory ID:	06-067-02								
	MS		MS		MS				
Alkalinity	**162**		100	55.1	107	73-125	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB0610W1								
	SB		SB		SB				
Alkalinity	**50.5**		50.0	NA	101	81-110	NA	NA	

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NITRATE (as Nitrogen)
EPA 353.2

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-01-060713**					
Laboratory ID:	06-067-01					
Nitrate	**ND**	0.050	EPA 353.2	6-10-13	6-10-13	
Client ID:	**KMW-02-060713**					
Laboratory ID:	06-067-02					
Nitrate	**1.8**	0.050	EPA 353.2	6-10-13	6-10-13	
Client ID:	**KMW-03-060713**					
Laboratory ID:	06-067-03					
Nitrate	**0.20**	0.050	EPA 353.2	6-10-13	6-10-13	
Client ID:	**KMW-04-060713**					
Laboratory ID:	06-067-04					
Nitrate	**ND**	0.050	EPA 353.2	6-10-13	6-10-13	
Client ID:	**KMW-05-060713**					
Laboratory ID:	06-067-05					
Nitrate	**0.70**	0.050	EPA 353.2	6-10-13	6-10-13	

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Date of Report: June 24, 2013
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Project: 14697005011

NITRATE (as Nitrogen)
EPA 353.2
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0610W1					
Nitrate	**ND**	0.050	EPA 353.2	6-10-13	6-10-13	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	06-067-01							
	ORIG DUP							
Nitrate	**ND** **ND**	NA	NA	NA	NA	NA	11	
MATRIX SPIKE								
Laboratory ID:	06-067-01							
	MS	MS		MS				
Nitrate	**2.17**	2.00	ND	109	81-122	NA	NA	
SPIKE BLANK								
Laboratory ID:	SB0610W1							
	SB	SB		SB				
Nitrate	**2.18**	2.00	NA	109	86-114	NA	NA	

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NITRITE (as Nitrogen)
EPA 353.2

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-01-060713**					
Laboratory ID:	06-067-01					
Nitrite	**ND**	0.020	EPA 353.2	6-7-13	6-7-13	
Client ID:	**KMW-02-060713**					
Laboratory ID:	06-067-02					
Nitrite	**ND**	0.020	EPA 353.2	6-7-13	6-7-13	
Client ID:	**KMW-03-060713**					
Laboratory ID:	06-067-03					
Nitrite	**ND**	0.020	EPA 353.2	6-7-13	6-7-13	
Client ID:	**KMW-04-060713**					
Laboratory ID:	06-067-04					
Nitrite	**ND**	0.020	EPA 353.2	6-7-13	6-7-13	
Client ID:	**KMW-05-060713**					
Laboratory ID:	06-067-05					
Nitrite	**ND**	0.020	EPA 353.2	6-7-13	6-7-13	

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Date of Report: June 24, 2013
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NITRITE (as Nitrogen)
EPA 353.2
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0607W1					
Nitrite	**ND**	0.020	EPA 353.2	6-7-13	6-7-13	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	06-067-01								
	ORIG	DUP							
Nitrite	**ND**	**ND**	NA	NA	NA	NA	NA	13	
MATRIX SPIKE									
Laboratory ID:	06-067-01								
	MS		MS		MS				
Nitrite	**0.212**		0.250	ND	85	76-122	NA	NA	
SPIKE BLANK									
Laboratory ID:	Sb0607W1								
	SB		SB		SB				
Nitrite	**0.246**		0.250	NA	98	80-116	NA	NA	

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Date of Report: June 24, 2013
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SULFATE
ASTM D516-02

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-01-060713**					
Laboratory ID:	06-067-01					
Sulfate	**39**	25	ASTM D516-02	6-13-13	6-13-13	
Client ID:	**KMW-02-060713**					
Laboratory ID:	06-067-02					
Sulfate	**32**	10	ASTM D516-02	6-13-13	6-13-13	
Client ID:	**KMW-03-060713**					
Laboratory ID:	06-067-03					
Sulfate	**ND**	5.0	ASTM D516-02	6-13-13	6-13-13	
Client ID:	**KMW-04-060713**					
Laboratory ID:	06-067-04					
Sulfate	**ND**	5.0	ASTM D516-02	6-13-13	6-13-13	
Client ID:	**KMW-05-060713**					
Laboratory ID:	06-067-05					
Sulfate	**35**	10	ASTM D516-02	6-13-13	6-13-13	

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SULFATE
ASTM D516-02
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0613W1					
Sulfate	**ND**	5.0	ASTM D516-02	6-13-13	6-13-13	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	06-067-01								
	ORIG	DUP							
Sulfate	**38.7**	**42.0**	NA	NA	NA	NA	8	10	
MATRIX SPIKE									
Laboratory ID:	06-067-01								
	MS		MS		MS				
Sulfate	**88.5**		50.0	38.7	100	84-117	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB0613W1								
	SB		SB		SB				
Sulfate	**9.96**		10.0	NA	100	94-113	NA	NA	

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Date of Report: June 24, 2013
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TOTAL PHOSPHORUS
EPA 365.1

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-01-060713**					
Laboratory ID:	06-067-01					
Total Phosphorus	**0.049**	0.010	EPA 365.1	6-12-13	6-12-13	
Client ID:	**KMW-02-060713**					
Laboratory ID:	06-067-02					
Total Phosphorus	**0.042**	0.010	EPA 365.1	6-12-13	6-12-13	
Client ID:	**KMW-03-060713**					
Laboratory ID:	06-067-03					
Total Phosphorus	**0.59**	0.010	EPA 365.1	6-12-13	6-12-13	
Client ID:	**KMW-04-060713**					
Laboratory ID:	06-067-04					
Total Phosphorus	**0.69**	0.010	EPA 365.1	6-12-13	6-12-13	
Client ID:	**KMW-05-060713**					
Laboratory ID:	06-067-05					
Total Phosphorus	**0.014**	0.010	EPA 365.1	6-12-13	6-12-13	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: June 24, 2013
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Project: 14697005011

TOTAL PHOSPHORUS
EPA 365.1
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0612W1					
Total Phosphorus	**ND**	0.010	EPA 365.1	6-12-13	6-12-13	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	06-067-01								
	ORIG	DUP							
Total Phosphorus	**0.0486**	**0.0486**	NA	NA	NA	NA	0	13	
MATRIX SPIKE									
Laboratory ID:	06-067-01								
	MS		MS		MS				
Total Phosphorus	**0.327**		0.250	0.0486	111	92-115	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB0612W1								
	SB		SB		SB				
Total Phosphorus	**0.267**		0.250	NA	107	89-110	NA	NA	

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Project: 14697005011

ORTHOPHOSPHATE
by EPA 365.1

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-01-060713**					
Laboratory ID:	06-067-01					
Total Orthophosphate	**0.038**	0.010	EPA 365.1	6-7-13	6-7-13	
Client ID:	**KMW-02-060713**					
Laboratory ID:	06-067-02					
Total Orthophosphate	**0.032**	0.010	EPA 365.1	6-7-13	6-7-13	
Client ID:	**KMW-03-060713**					
Laboratory ID:	06-067-03					
Total Orthophosphate	**0.52**	0.010	EPA 365.1	6-7-13	6-7-13	
Client ID:	**KMW-04-060713**					
Laboratory ID:	06-067-04					
Total Orthophosphate	**0.56**	0.010	EPA 365.1	6-7-13	6-7-13	
Client ID:	**KMW-05-060713**					
Laboratory ID:	06-067-05					
Total Orthophosphate	**0.018**	0.010	EPA 365.1	6-7-13	6-7-13	

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ORTHOPHOSPHATE
by EPA 365.1
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0607W1					
Total Orthophosphate	**ND**	0.010	EPA 365.1	6-7-13	6-7-13	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	06-067-01								
	ORIG	DUP							
Total Orthophosphate	**0.0380**	**0.0404**	NA	NA	NA	NA	6	10	
MATRIX SPIKE									
Laboratory ID:	06-067-01								
	MS		MS		MS				
Total Orthophosphate	**0.266**		0.250	0.0380	91	69-120	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB0607W1								
	SB		SB		SB				
Total Orthophosphate	**0.223**		0.250	NA	89	83-113	NA	NA	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Lab Traveler: 1306-067
Project: 14697005011

DISSOLVED MANGANESE
EPA 6010C

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	06-067-01					
Client ID:	**KMW-01-060713**					
Manganese	**150**	11	6010C		6-10-13	
Lab ID:	06-067-02					
Client ID:	**KMW-02-060713**					
Manganese	**140**	11	6010C		6-10-13	
Lab ID:	06-067-03					
Client ID:	**KMW-03-060713**					
Manganese	**450**	11	6010C		6-10-13	
Lab ID:	06-067-04					
Client ID:	**KMW-04-060713**					
Manganese	**950**	11	6010C		6-10-13	
Lab ID:	06-067-05					
Client ID:	**KMW-05-060713**					
Manganese	**150**	11	6010C		6-10-13	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Lab Traveler: 1306-067
Project: 14697005011

DISSOLVED MANGANESE
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Analyzed: 6-10-13

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0610D1

Analyte	Method	Result	PQL
Manganese	6010C	**ND**	11

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Lab Traveler: 1306-067
Project: 14697005011

DISSOLVED MANGANESE
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Analyzed: 6-10-13

Matrix: Water
Units: ug/L (ppb)

Lab ID: 06-067-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Manganese	**151**	**151**	0	11	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Lab Traveler: 1306-067
Project: 14697005011

DISSOLVED MANGANESE
EPA 6010C
MS/MSD QUALITY CONTROL

Date Analyzed: 6-10-13

Matrix: Water
Units: ug/L (ppb)

Lab ID: 06-067-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Manganese	1110	**1370**	110	**1370**	109	1	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Lab Traveler: 1306-067
Project: 14697005011

DISSOLVED MANGANESE
EPA 6010C
SPIKE BLANK QUALITY CONTROL

Date Analyzed: 6-10-13

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB0610D1

Analyte	Method	Spike Level	Result	Percent Recovery
Manganese	6010C	1110	**1240**	112

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

DISSOLVED GASES
RSK 175

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-01-060713**					
Laboratory ID:	06-067-01					
Methane	**1400**	200	RSK 175	6-13-13	6-13-13	
Ethane	**ND**	100	RSK 175	6-13-13	6-13-13	
Ethene	**ND**	100	RSK 175	6-13-13	6-13-13	
Client ID:	**KMW-02-060713**					
Laboratory ID:	06-067-02					
Methane	**24**	4.0	RSK 175	6-13-13	6-13-13	
Ethane	**ND**	2.0	RSK 175	6-13-13	6-13-13	
Ethene	**ND**	2.0	RSK 175	6-13-13	6-13-13	
Client ID:	**KMW-03-060713**					
Laboratory ID:	06-067-03					
Methane	**1600**	500	RSK 175	6-13-13	6-13-13	
Ethane	**ND**	250	RSK 175	6-13-13	6-13-13	
Ethene	**ND**	250	RSK 175	6-13-13	6-13-13	
Client ID:	**KMW-04-060713**					
Laboratory ID:	06-067-04					
Methane	**9100**	2000	RSK 175	6-13-13	6-13-13	
Ethane	**ND**	1000	RSK 175	6-13-13	6-13-13	
Ethene	**ND**	1000	RSK 175	6-13-13	6-13-13	
Client ID:	**KMW-05-060713**					
Laboratory ID:	06-067-05					
Methane	**ND**	1.0	RSK 175	6-13-13	6-13-13	
Ethane	**ND**	0.50	RSK 175	6-13-13	6-13-13	
Ethene	**ND**	0.50	RSK 175	6-13-13	6-13-13	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 24, 2013
Samples Submitted: June 7, 2013
Laboratory Reference: 1306-067
Project: 14697005011

DISSOLVED GASES
RSK 175
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0613W1					
Methane	**ND**	1.0	RSK 175	6-13-13	6-13-13	
Ethane	**ND**	0.50	RSK 175	6-13-13	6-13-13	
Ethene	**ND**	0.50	RSK 175	6-13-13	6-13-13	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0613W1										
	SB	SBD	SB	SBD		SB	SBD				
Methane	**4.99**	**4.72**	4.42	4.42	N/A	**113**	**107**	70-130	6	25	
Ethane	**9.29**	**9.10**	8.32	8.32	N/A	**112**	**109**	70-130	2	25	
Ethene	**9.45**	**9.67**	7.77	7.77	N/A	**122**	**124**	70-130	2	25	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical gas.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Analytical Resources, Incorporated
Analytical Chemists and Consultants

21 June 2013

David Baumeister
OnSite Environmental, Inc.
14648 NE 95th
Redmond, WA 98052

RE: Client Project: Kelly Moore GW Sampling Event, 14697005011
ARI Job Nos: WT19, WT68

Dear David:

Please find enclosed the chain-of-custody (COCs) records and the final results for the samples from the project referenced above. Analytical Resources, Inc. (ARI) accepted five water samples on June 7, 2013. Five additional water samples were received on June 10, 2013. It was noted upon sample receipt that the bottles had been preserved with acid and these could not be used for sulfide analysis. Replacement bottles were received for these samples on June 11, 2013. The samples were analyzed for ferrous iron and sulfide as requested.

These analyses proceeded without incident of note.

An electronic copy of these reports will remain on file at ARI. Should you have any questions, please contact me at your convenience.

Sincerely,

ANALYTICAL RESOURCES, INC.

Mark D. Harris
Project Manager
206/695-6210
markh@arilabs.com

Enclosures

cc: files WT19, WT68

MDH/mdh

4611 South 134th Place, Suite 100 • Tukwila WA 98168 • **206-695-6200** • **206-695-6201** fax

WO#19

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: OnSite Environmental
Project Number:
Project Name: Kelly Moore GW Sampling Event
Project Manager: David Baumeister
Sampled by: Jennifer Bellamy

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number:

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals/ MTCA Metals (circle one)	TCLP Metals	HEM (oil and grease) 1664A	D. Soluble Ferrous Iron						% Moisture
	KMW-01-060713	6/7/13	10:45	GW																	X						
	KMW-02-060713	6/7/13	9:45																		X						
	KMW-03-060713	6/7/13	12:05																		X						
	KMW-04-060713	6/7/13	14:15																		X						
	KMW-05-060713	6/7/13	13:15	↓																	X						

	Signature	Company	Date	Time
Relinquished	Jennifer Bellamy	AMEC	6/7/13	15:24
Received		AR1	6/7/13	1524
Relinquished				
Received				
Relinquished				
Received				

Comments/Special Instructions
- Field Filtered for dissolved ferrous Iron
- Results go to onsite Environmental

Reviewed/Date

Reviewed/Date

Chromatograms with final report ☐

Data Package: Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client Onsite Project Name: Kelly Moore GW Sampling

COC No(s): _____ (NA) Delivered by Fed-Ex UPS Courier Hand Delivered Other _____

Assigned ARI Job No LOT19 Tracking No: _____ (NA)

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of to cooler?	YES	(NO)
Were custody papers included with the cooler?	(YES)	NO
Were custody papers properly filled out (ink, signed, etc)	(YES)	NO
Temperature of Cooler(s) (°C) (recommended 2 0-6.0 °C for chemistry)	3.7	
If cooler temperature is out of compliance fill out form 00070F	Temp Gun ID#	90877952

Cooler Accepted by AV Date 6/7/13 Time 15:24

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler?		YES	(NO)
What kind of packing material was used?	Bubble Wrap (Wet Ice) Gel Packs Baggies Foam Block Paper Other:		
Was sufficient ice used (if appropriate)?	NA	(YES)	NO
Were all bottles sealed in individual plastic bags?		YES	(NO)
Did all bottles arrive in good condition (unbroken)?		(YES)	NO
Were all bottle labels complete and legible?		(YES)	NO
Did the number of containers listed on COC match with the number of containers received?		(YES)	NO
Did all bottle labels and tags agree with custody papers?		(YES)	NO
Were all bottles used correct for the requested analyses?		(YES)	NO
Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs)	(NA)	YES	NO
Were all VOC vials free of air bubbles?	(NA)	YES	NO
Was sufficient amount of sample sent in each bottle?		(YES)	NO
Date VOC Trip Blank was made at ARI	(NA)		

Was Sample Split by ARI: (NA) YES Date/Time _____ Equipment: _____ Split by: _____

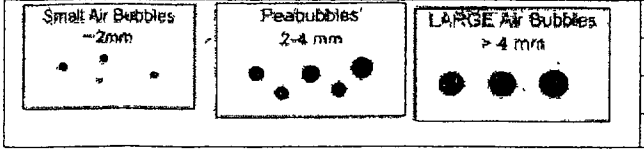
Samples Logged by: AV Date: 6/7/13 Time 1534

***** Notify Project Manager of discrepancies or concerns *****

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Additional Notes, Discrepancies, & Resolutions:

By: Date:



Small → "sm"
Peabubbles → "pb"
Large → "lg"
Headspace → "hs"

Sample ID Cross Reference Report

ANALYTICAL RESOURCES INCORPORATED

ARI Job No: WT19
Client: OnSite Environmental, Inc.
Project Event: N/A
Project Name: Kelly Moore GW Sampling Event

	Sample ID	ARI Lab ID	ARI LIMS ID	Matrix	Sample Date/Time	VTSR
1.	KMW-01-060713	WT19A	13-12197	Water	06/07/13 10:45	06/07/13 15:24
2.	KMW-02-060713	WT19B	13-12198	Water	06/07/13 09:45	06/07/13 15:24
3.	KMW-03-060713	WT19C	13-12199	Water	06/07/13 12:05	06/07/13 15:24
4.	KMW-04-060713	WT19D	13-12200	Water	06/07/13 14:15	06/07/13 15:24
5.	KMW-05-060713	WT19E	13-12201	Water	06/07/13 13:15	06/07/13 15:24

WT19 : 20060711

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Data Reporting Qualifiers

Effective 2/14/2011

Inorganic Data

U — Indicates that the target analyte was not detected at the reported concentration

* — Duplicate RPD is not within established control limits

B — Reported value is less than the CRDL but ≥ the Reporting Limit

N — Matrix Spike recovery not within established control limits

NA — Not Applicable, analyte not spiked

H — The natural concentration of the spiked element is so much greater than the concentration spiked that an accurate determination of spike recovery is not possible

L — Analyte concentration is ≤5 times the Reporting Limit and the replicate control limit defaults to ±1 RL instead of the normal 20% RPD

Organic Data

U — Indicates that the target analyte was not detected at the reported concentration

* — Flagged value is not within established control limits

B — Analyte detected in an associated Method Blank at a concentration greater than one-half of ARI's Reporting Limit or 5% of the regulatory limit or 5% of the analyte concentration in the sample.

J — Estimated concentration when the value is less than ARI's established reporting limits

D — The spiked compound was not detected due to sample extract dilution

E — Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

Q — Indicates a detected analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20%Drift or minimum RRF).

S Indicates an analyte response that has saturated the detector. The calculated concentration is not valid; a dilution is required to obtain valid quantification of the analyte

NA The flagged analyte was not analyzed for

NR Spiked compound recovery is not reported due to chromatographic interference

NS The flagged analyte was not spiked into the sample

M Estimated value for an analyte detected and confirmed by an analyst but with low spectral match parameters. This flag is used only for GC-MS analyses

M2 The sample contains PCB congeners that do not match any standard Aroclor pattern. The PCBs are identified and quantified as the Aroclor whose pattern most closely matches that of the sample. The reported value is an estimate.

N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification"

Y The analyte is not detected at or above the reported concentration. The reporting limit is raised due to chromatographic interference. The Y flag is equivalent to the U flag with a raised reporting limit.

EMPC Estimated Maximum Possible Concentration (EMPC) defined in EPA Statement of Work DLM02.2 as a value "calculated for 2,3,7,8-substituted isomers for which the quantitation and /or confirmation ion(s) has signal to noise in excess of 2.5, but does not meet identification criteria" **(Dioxin/Furan analysis only)**

C The analyte was positively identified on only one of two chromatographic columns. Chromatographic interference prevented a positive identification on the second column

P The analyte was detected on both chromatographic columns but the quantified values differ by ≥40% RPD with no obvious chromatographic interference

X Analyte signal includes interference from polychlorinated diphenyl ethers. **(Dioxin/Furan analysis only)**

Z Analyte signal includes interference from the sample matrix or perfluorokerosene ions. **(Dioxin/Furan analysis only)**

Geotechnical Data

A The total of all fines fractions. This flag is used to report total fines when only sieve analysis is requested and balances total grain size with sample weight.

F Samples were frozen prior to particle size determination

SM Sample matrix was not appropriate for the requested analysis. This normally refers to samples contaminated with an organic product that interferes with the sieving process and/or moisture content, porosity and saturation calculations

SS Sample did not contain the proportion of "fines" required to perform the pipette portion of the grain size analysis

W Weight of sample in some pipette aliquots was below the level required for accurate weighting

SAMPLE RESULTS-CONVENTIONALS
WT19-OnSite Environmental, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 06/11/13

Project: Kelly Moore GW Sampling Even
Event: NA
Date Sampled: 06/07/13
Date Received: 06/07/13

Client ID: KMW-01-060713
ARI ID: 13-12197 WT19A

Analyte	Date Batch	Method	Units	RL	Sample
Ferrous Iron	06/07/13 060713#1	SM3500 FeD	mg/L	0.080	2.44

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
WT19-OnSite Environmental, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 06/11/13

Project: Kelly Moore GW Sampling Even
Event: NA
Date Sampled: 06/07/13
Date Received: 06/07/13

Client ID: KMW-02-060713
ARI ID: 13-12198 WT19B

Analyte	Date Batch	Method	Units	RL	Sample
Ferrous Iron	06/07/13 060713#1	SM3500 FeD	mg/L	0.040	0.673

RL Analytical reporting limit
U Undetected at reported detection limit

WT19 : 060713

SAMPLE RESULTS-CONVENTIONALS
WT19-OnSite Environmental, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 06/11/13

Project: Kelly Moore GW Sampling Even
Event: NA
Date Sampled: 06/07/13
Date Received: 06/07/13

Client ID: KMW-03-060713
ARI ID: 13-12199 WT19C

Analyte	Date Batch	Method	Units	RL	Sample
Ferrous Iron	06/07/13 060713#1	SM3500 FeD	mg/L	0.200	6.80

RL Analytical reporting limit
U Undetected at reported detection limit

WT19 - 060713

SAMPLE RESULTS-CONVENTIONALS
WT19-OnSite Environmental, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 06/11/13

Project: Kelly Moore GW Sampling Even
Event: NA
Date Sampled: 06/07/13
Date Received: 06/07/13

Client ID: KMW-04-060713
ARI ID: 13-12200 WT19D

Analyte	Date Batch	Method	Units	RL	Sample
Ferrous Iron	06/07/13 060713#1	SM3500 FeD	mg/L	0.800	40.0

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
WT19-OnSite Environmental, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 06/11/13

Project: Kelly Moore GW Sampling Even
Event: NA
Date Sampled: 06/07/13
Date Received: 06/07/13

Client ID: KMW-05-060713
ARI ID: 13-12201 WT19E

Analyte	Date Batch	Method	Units	RL	Sample
Ferrous Iron	06/07/13 060713#1	SM3500 FeD	mg/L	0.040	0.595

RL Analytical reporting limit
U Undetected at reported detection limit

METHOD BLANK RESULTS-CONVENTIONALS
WT19-OnSite Environmental, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 06/11/13

Project: Kelly Moore GW Sampling Even
Event: NA
Date Sampled: NA
Date Received: NA

Analyte	Method	Date	Units	Blank	ID
Ferrous Iron	SM3500 FeD	06/07/13	mg/L	< 0.040 U	

WT19-0607W3

LAB CONTROL RESULTS-CONVENTIONALS
WT19-OnSite Environmental, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 06/11/13

Project: Kelly Moore GW Sampling Even
Event: NA
Date Sampled: NA
Date Received: NA

Analyte/Method	QC ID	Date	Units	LCS	Spike Added	Recovery
Ferrous Iron SM3500 FeD	ICVL	06/07/13	mg/L	0.520	0.500	104.0%

REPLICATE RESULTS-CONVENTIONALS
WT19-OnSite Environmental, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 06/11/13

Project: Kelly Moore GW Sampling Even
Event: NA
Date Sampled: 06/07/13
Date Received: 06/07/13

Analyte	Method	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: WT19A	**Client ID: KMW-01-060713**					
Ferrous Iron	SM3500 FeD	06/07/13	mg/L	2.44	2.40	1.7%

WT19 00015

MS/MSD RESULTS-CONVENTIONALS
WT19-OnSite Environmental, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 06/11/13

Project: Kelly Moore GW Sampling Even
Event: NA
Date Sampled: 06/07/13
Date Received: 06/07/13

Analyte	Method	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: WT19A Client ID: KMW-01-060713							
Ferrous Iron	SM3500 FeD	06/07/13	mg/L	2.44	3.14	0.800	87.5%

WT19 - 00045

WT68

OnSite Environmental Inc.

14648 NE 95th Street, Redmond, WA 98052 · (425) 883-3881

Laboratory Reference #: 06-067

Subcontract Laboratory: Analytical Resources, Inc.

Turnaround Request:

Project Manager: David Baumeister

Attention: Mark Harris

1 Day 2 Day 3 Day

email: dbaumeister@onsite-env.com

4611 S 134th Pl, Ste. 100 Tukwila, WA 98168

(Standard)

Project Number: 14697005011

Phone Number: (206) 695-6200

Other: _____

Project Name: _____

Date/Time: _____

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	Requested Analysis
	KMW-01-060713	6/7/13	1045	W	1	
	KMW-02-060713		945			
	KMW-03-060713		1205			
	KMW-04-060713		1415			
	KMW-05-060713		1315			

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished by:		OSE	6/10/13	1155	
Received by:	Swift Pay	Speedy Messenger	6/10/13	1155	
Relinquished by:	Swift Pay	speedy messenger	6/10/13	1400	
Received by:		Taylor for ARI	6-10-13	1400	
Relinquished by:					
Received by:					

WT19:00017

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client CSE Project Name:

COC No(s) NA Delivered by Fed-Ex UPS Courier Hand Delivered Other Speedy

Assigned ARI Job No Tracking No NA

Preliminary Examination Phase.

Were intact, properly signed and dated custody seals attached to the outside of to cooler? YES (NO)

Were custody papers included with the cooler? (YES) NO

Were custody papers properly filled out (ink, signed, etc.) (YES) NO

Temperature of Cooler(s) (°C) (recommended 2.0-6 0 °C for chemistry) 4.9

If cooler temperature is out of compliance fill out form 00070F Temp Gun ID# 90078572

Cooler Accepted by: IC Date: 6-10-13 Time: 1400

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler? YES (NO)

What kind of packing material was used? Bubble Wrap (Wet Ice) Gel Packs (Baggies) Foam Block Paper Other:

Was sufficient ice used (if appropriate)? NA (YES) NO

Were all bottles sealed in individual plastic bags? YES NO

Did all bottles arrive in good condition (unbroken)? YES NO

Were all bottle labels complete and legible? YES NO

Did the number of containers listed on COC match with the number of containers received? YES NO

Did all bottle labels and tags agree with custody papers? YES NO

Were all bottles used correct for the requested analyses? YES NO

Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs) NA YES NO

Were all VOC vials free of air bubbles? NA YES NO

Was sufficient amount of sample sent in each bottle? YES NO

Date VOC Trip Blank was made at ARI NA

Was Sample Split by ARI: NA YES Date/Time Equipment: Split by:

Samples Logged by: Date: Time:

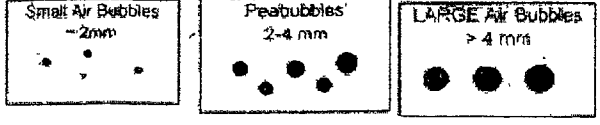
***** Notify Project Manager of discrepancies or concerns *****

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Additional Notes, Discrepancies, & Resolutions:

Bottles requesting Sulfide Analysis, samples bottles has preservative as H_2SO_4

By: Date:



Small → "sm"
Peabubbles → "pb"
Large → "lg"
Headspace → "hs"

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client CDSITC Project Name:

COC No(s) (NA) Delivered by: Fed-Ex UPS Courier Hand Delivered Other

Assigned ARI Job No WT68 Tracking No (NA)

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of to cooler? YES (NO)

Were custody papers included with the cooler? YES (NO)

Were custody papers properly filled out (ink, signed, etc.) YES (NO)

Temperature of Cooler(s) (°C) (recommended 2 0-6 0 °C for chemistry) 1.3

If cooler temperature is out of compliance fill out form 00070F Temp Gun ID#: 90877952

Cooler Accepted by: AV Date 6/11/13 Time 1615

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler? YES (NO)

What kind of packing material was used? Bubble Wrap (Wet Ice) Gel Packs (Baggies) Foam Block Paper Other

Was sufficient ice used (if appropriate)?	NA	(YES)	NO
Were all bottles sealed in individual plastic bags?		YES	(NO)
Did all bottles arrive in good condition (unbroken)?		(YES)	NO
Were all bottle labels complete and legible?		(YES)	NO
Did the number of containers listed on COC match with the number of containers received?		(YES)	NO
Did all bottle labels and tags agree with custody papers?		(YES)	NO
Were all bottles used correct for the requested analyses?		(YES)	NO
Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs)	NA	(YES)	NO
Were all VOC vials free of air bubbles?	(NA)	YES	NO
Was sufficient amount of sample sent in each bottle?		(YES)	NO
Date VOC Trip Blank was made at ARI.	(NA)		

Was Sample Split by ARI: (NA) YES Date/Time _____ Equipment: _____ Split by: _____

Samples Logged by: AV Date: 6/11/13 Time 1647

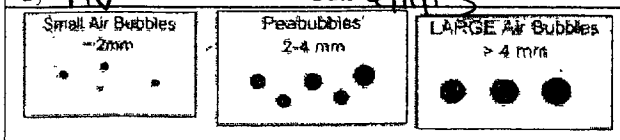
***** Notify Project Manager of discrepancies or concerns *****

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Additional Notes, Discrepancies, & Resolutions:

C.O.C received 6/10/13 with bottle preserved with H_2SO_4. Bottles received 6/11/13 preserved with ZnOAc.

By: AV Date: 6/11/13



Small → "sm"
Peabubbles → "pb"
Large → "lg"
Headspace → "hs"

WT13 : 00013

PRESERVATION VERIFICATION 06/11/13
Page 1 of 1

ANALYTICAL RESOURCES INCORPORATED

ARI Job No: **WT68**

Inquiry Number: NONE
Analysis Requested: 06/12/13
Contact: Baumeister, David
Client: OnSite Environmental, Inc.
Logged by: AV
Sample Set Used: Yes-481
Validatable Package: No
Deliverables:

PC: Mark
VTSR: 06/11/13

Project #: 14697005011
Project:
Sample Site:
SDG No:
Analytical Protocol: In-house

LOGNUM ARI ID	CLIENT ID	CN >12	WAD >12	NH3 <2	COD <2	FOG <2	MET <2	PHEN <2	PHOS <2	TKN <2	NO23 <2	TOC <2	S2 >9	TPHD <2	Fe2+ <2	DMET FLT	DOC FLT	PARAMETER	ADJUSTED TO	LOT NUMBER	AMOUNT ADDED	DATE/BY
13-12528 **WT68A**	KMW-01-060713												F									
13-12529 **WT68B**	KMW-02-060713												F									
13-12530 **WT68C**	KMW-03-060713												F									
13-12531 **WT68D**	KMW-04-060713												F									
13-12532 **WT68E**	KMW-05-060713												F									

F= Fail Samples preserved with ZnOAC. Lab to adjust Ph.

Checked By AV Date 6/11/13

Sample ID Cross Reference Report

ANALYTICAL RESOURCES INCORPORATED

ARI Job No: WT68
Client: OnSite Environmental, Inc.
Project Event: 14697005011
Project Name: N/A

	Sample ID	ARI Lab ID	ARI LIMS ID	Matrix	Sample Date/Time	VTSR
1.	KMW-01-060713	WT68A	13-12528	Water	06/07/13 10:45	06/11/13 16:15
2.	KMW-02-060713	WT68B	13-12529	Water	06/07/13 09:45	06/11/13 16:15
3.	KMW-03-060713	WT68C	13-12530	Water	06/07/13 12:05	06/11/13 16:15
4.	KMW-04-060713	WT68D	13-12531	Water	06/07/13 14:15	06/11/13 16:15
5.	KMW-05-060713	WT68E	13-12532	Water	06/07/13 13:15	06/11/13 16:15

WT68:00021

SAMPLE RESULTS-CONVENTIONALS
WT68-OnSite Environmental, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 06/20/13

Project: NA
Event: 14697005011
Date Sampled: 06/07/13
Date Received: 06/11/13

Client ID: KMW-01-060713
ARI ID: 13-12528 WT68A

Analyte	Date Batch	Method	Units	RL	Sample
Sulfide	06/13/13 061313#1	EPA 376.2	mg/L	0.050	< 0.050 U

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
WT68-OnSite Environmental, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized: MB
Reported: 06/20/13

Project: NA
Event: 14697005011
Date Sampled: 06/07/13
Date Received: 06/11/13

Client ID: KMW-02-060713
ARI ID: 13-12529 WT68B

Analyte	Date Batch	Method	Units	RL	Sample
Sulfide	06/13/13 061313#1	EPA 376.2	mg/L	0.050	< 0.050 U

RL Analytical reporting limit
U Undetected at reported detection limit

WT68:060623

SAMPLE RESULTS-CONVENTIONALS
WT68-OnSite Environmental, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized: MB
Reported: 06/20/13

Project: NA
Event: 14697005011
Date Sampled: 06/07/13
Date Received: 06/11/13

Client ID: KMW-03-060713
ARI ID: 13-12530 WT68C

Analyte	Date Batch	Method	Units	RL	Sample
Sulfide	06/13/13 061313#1	EPA 376.2	mg/L	0.050	< 0.050 U

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
WT68-OnSite Environmental, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized: MB
Reported: 06/20/13

Project: NA
Event: 14697005011
Date Sampled: 06/07/13
Date Received: 06/11/13

Client ID: KMW-04-060713
ARI ID: 13-12531 WT68D

Analyte	Date Batch	Method	Units	RL	Sample
Sulfide	06/13/13 061313#1	EPA 376.2	mg/L	0.050	< 0.050 U

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
WT68-OnSite Environmental, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 06/20/13

Project: NA
Event: 14697005011
Date Sampled: 06/07/13
Date Received: 06/11/13

Client ID: KMW-05-060713
ARI ID: 13-12532 WT68E

Analyte	Date Batch	Method	Units	RL	Sample
Sulfide	06/13/13 061313#1	EPA 376.2	mg/L	0.050	< 0.050 U

RL Analytical reporting limit
U Undetected at reported detection limit

WT68 : 000025

METHOD BLANK RESULTS-CONVENTIONALS
WT68-OnSite Environmental, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized: JR
Reported: 06/20/13

Project: NA
Event: 14697005011
Date Sampled: NA
Date Received: NA

Analyte	Method	Date	Units	Blank	ID
Sulfide	EPA 376.2	06/13/13	mg/L	< 0.050 U	

LAB CONTROL RESULTS-CONVENTIONALS
WT68-OnSite Environmental, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized: MB
Reported: 06/20/13

Project: NA
Event: 14697005011
Date Sampled: NA
Date Received: NA

Analyte/Method	QC ID	Date	Units	LCS	Spike Added	Recovery
Sulfide EPA 376.2	ICVL	06/13/13	mg/L	0.490	0.501	97.8%

WT13:00029

REPLICATE RESULTS-CONVENTIONALS
WT68-OnSite Environmental, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 06/20/13

Project: NA
Event: 14697005011
Date Sampled: 06/07/13
Date Received: 06/11/13

Analyte	Method	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: WT68A Client ID: KMW-01-060713						
Sulfide	EPA 376.2	06/13/13	mg/L	< 0.050	< 0.050	NA

WT14: 000025

MS/MSD RESULTS-CONVENTIONALS
WT68-OnSite Environmental, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 06/20/13

Project: NA
Event: 14697005011
Date Sampled: 06/07/13
Date Received: 06/11/13

Analyte	Method	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: WT68A Client ID: KMW-01-060713							
Sulfide	EPA 376.2	06/13/13	mg/L	< 0.050	0.471	0.500	94.2%

WT68 : 060830

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 06-067

Company: AMEC
Project Number: 14697005011
Project Name: Kelly Moore Paint Company
Project Manager: Tasya Gray
Sampled by: Jennifer Bellamy

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
(TPH analysis 5 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	~~NWTPH-Gx/BTEX~~ J/S	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	~~PAHs 8270D/SIM (low-level)~~ TOC	~~PCBs 8082A~~ Total Fe + Mn	~~Organochlorine Pesticides 8081B~~ TDS	~~Organophosphorus Pesticides 8270D/SIM~~ TSS	~~Chlorinated Acid Herbicides 8151A~~	Total RCRA Metals/ MTCA Metals (circle one)	~~TCLP Metals~~ Dissolved Ferrous Iron*	~~HEM (oil and grease) 1664A~~ J/S	Hardness	Alkalinity	Nitrate, Nitrite, Silicate	Sulfide	Total Phosphorus	ortho-Phosphate	Dissolved manganese	% Moisture Dissolved Gases Methane, Ethane, Ethene
1	KMW-01-060713	6/7/13	10:45	GW	15			X		X		X	X	X	X	X			X	X	X	X	X	X	X	X	X	X
2	KMW-02-060713	6/7/13	9:45	GW				X		X		X	X	X	X	X			X	X	X	X	X	X	X	X	X	X
3	KMW-03-060713	6/7/13	12:05	GW				X		X		X	X	X	X	X			X	X	X	X	X	X	X	X	X	X
4	KMW-04-060713	6/7/13	14:15	GW				X		X		X	X	X	X	X			X	X	X	X	X	X	X	X	X	X
5	KMW-05-060713	6/7/13	13:15	GW				X		X		X	X	X	X	X			X	X	X	X	X	X	X	X	X	X

	Signature	Company	Date	Time
Relinquished	Jennifer Bellamy	AMEC	6/7/13	19:45
Received	Van	Spdy	6/7/13	14:45
Relinquished	"	"	"	15:40
Received		OSE	6/7/13	1540
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Field Filtered Dissolved manganese

*Samples sent directly to ARI. DB

P.O.# C0131 0657

Added 6/10/13. DB (STA)

Chromatograms with final report ☐

Data Package: Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

Memo

To:	Natasya Gray	Project:	0146970050
From:	Crystal Neirby	cc:	Project File
Date:	July 12, 2013		

Subject: Kelly Moore Paint Company – Groundwater Sampling – June 2013
Summary Data Quality Review – SDG 1306-067

This memorandum presents a summary data quality review for analyses of five primary groundwater samples collected June 7, 2013. The samples were submitted to OnSite Environmental Inc. (OnSite), a laboratory located in Redmond, Washington, and accredited by the Washington State Department of Ecology (Ecology). The groundwater samples were analyzed for the following analytes:

- Total petroleum hydrocarbons (TPH) as gasoline by Ecology Method NWTPH-Gx;
- Volatile organic compounds (VOCs) by U.S. Environmental Protection Agency (EPA) Method 8260C;
- Total organic carbon (TOC) by Standard Method (SM) 5310B;
- Total iron and manganese, dissolved manganese, and hardness by EPA Method 6010C;
- Total dissolved solids (TDS) by SM 2540C;
- Total suspended solids (TSS) by SM 2540D;
- Total alkalinity by EPA 310.2;
- Nitrate and nitritie (as nitrogen) by EPA 353.2;
- Sulfate by ASTM International D516-02;
- Total and orthophosphate phosphorus by EPA 365.1;
- Dissolved gases (methane, ethane, and ethane) by EPA RSK-175;
- Ferrous iron by SM 3500 FeD; and
- Sulfide by EPA 376.2.

The ferrous iron and sulfide samples were subcontracted by Onsite to Analytical Resources Incorporated (ARI), located in Tukwila, Washington.

The samples collected and the laboratory sample ID, as well as a summary of qualifiers added to the results from this data quality review, are presented in Table 1 at the end of this memo.

AMEC Environment & Infrastructure, Inc.
600 University Street, Suite 600
Seattle, Washington
USA 98101-4107
Tel (206) 342-1760
Fax (206) 342-1761
www.amec.com

The analytical results for these samples were reviewed in accordance with the requirements specified in the EPA National Functional Guidelines (EPA, 2010 and 2008), the analytical methods referenced by the laboratory, AMEC Environment & Infrastructure, Inc. (AMEC) data review procedures, the quality assurance project plan (QAPP) (AMEC Geomatrix Inc., 2010), and the laboratory quality control limits. The EPA guidelines referenced above were written specifically for the Contract Laboratory Program, and have been modified for the purposes of this data quality review where they differ from EPA SW-846 method requirements.

The certified laboratory reports were reviewed to assess the following: chain of custody compliance; holding time compliance; presence or absence of laboratory contamination as demonstrated by method blanks; blank spike samples (BS) and blank spike duplicates (BSD), and matrix spike (MS) and matrix spike duplicate (MSD) samples; analytical precision as the relative percent difference between replicate sample results (i.e., laboratory and field duplicates) or MS and MSD samples. This data quality review did not include validation of the raw analytical data.

Samples were submitted to OnSite on the day of collection. The cooler temperatures were recorded upon receipt and were below the maximum acceptable temperature of 6°C. The following was noted by the laboratory upon receipt.

The sample bottles submitted to ARI on June 10, 2013 for sulfide analysis contained the incorrect preservative. The laboratory received separate bottles on June 11, 2013 with the correct preservative and proceeded with analysis.

Samples were analyzed for the methods identified in the introduction to this report and were evaluated for the following criteria.

1. Holding Times – Acceptable

   The nitrate analysis was not performed within the 48 hour holding time for samples collected in an unpreserved bottle. According the laboratory, an aliquot was preserved in order to perform the analysis within the 28 day holding time allowed for preserved samples. The results are acceptable and are not qualified.

2. Blanks – Acceptable except as noted:

   A trip blank was not submitted with samples analyzed for TPH as gasoline, VOCs, or dissolved gases, as stated in the method and in the project QAPP. The sample results were not qualified. For future sampling events, the laboratory will be instructed to include trip blanks and the field crew will be reminded to ensure they are delivered from the laboratory with the sample bottles.

3. BS/BSD – Acceptable

   The laboratory did not report blank spike results if acceptable MS/MSD or laboratory duplicate results were reported, following its standard operating procedure. The BS results that were provided by the laboratory were within the laboratory control limits.

4. MS/MSD – Acceptable

   MS/MSD results performed with project samples and provided by the laboratory were within laboratory control limits.

5. Surrogates – Acceptable
6. Laboratory Duplicates – Acceptable
7. Field Duplicates – Acceptable

   A field duplicate was not collected with the samples. The project frequency requirement is one field duplicate per sampling event, or for every 20 samples. Results are not qualified due to the lack of field duplicates.

8. Reporting Limits and Laboratory Flags – Acceptable

OVERALL ASSESSMENT OF DATA

The OnSite SDG 1306-067 is 100 percent complete. The data usability is based on EPA's guidance documents. Few problems were identified, and the analytical performance was generally within specified limits. The data are acceptable and meet the project's data quality objectives.

REFERENCES

AMEC Geomatrix, Inc., 2010, Site Characterization Report and Data Gaps Work Plan, Former Kelly-Moore Manufacturing Facility, Seattle, Washington. December.

U.S. Environmental Protection Agency (EPA), 2008, U.S. EPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review: EPA 540-R-08-001, June.

EPA, 2010, U.S. EPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review: EPA 540-R-10-011, January.

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample ID	Laboratory Sample ID	Qualified Analyte
KMW-01-060713	06-067-01	none
KMW-02-060713	06-067-02	none
KMW-03-060713	06-067-03	none
KMW-04-060713	06-067-04	none
KMW-05-060713	06-067-05	none

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 11, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 1502-262

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on February 27, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

Case Narrative

Samples were collected on February 27, 2015 and received by the laboratory on February 27, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The chromatograms for samples B7-PIPING-B1-5.0, B7-PIPING-B2-5.0, B7-PIPING-S1-4.0 and B7-PIPING-S2-4.0 are similar to mineral spirits with diesel.

The chromatograms for samples B7-PIPING-B3-4.5, B7-PIPING-B4-4.5, B7-PIPING-S3-3.5 and B7-PIPING-S4-3.5 are similar to mineral spirits.

PAHs EPA 8270D/SIM Analysis

Samples B7-PIPING-B2-5.0 and B7-PIPING-S2-4.0, surrogate's recoveries are not available due to necessary dilution of the samples; the surrogates are flagged with an "S" indicator.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-PIPING-B1-5.0**					
Laboratory ID:	02-262-01					
Benzene	**0.097**	0.029	EPA 8021B	3-3-15	3-4-15	
Toluene	**ND**	0.14	EPA 8021B	3-3-15	3-4-15	
Ethyl Benzene	**0.62**	0.14	EPA 8021B	3-3-15	3-4-15	
m,p-Xylene	**3.8**	0.14	EPA 8021B	3-3-15	3-4-15	
o-Xylene	**ND**	1.4	EPA 8021B	3-3-15	3-4-15	U1
Gasoline	**2600**	360	NWTPH-Gx	3-3-15	3-5-15	Z1
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***79***	***68-123***				
Client ID:	**B7-PIPING-B2-5.0**					
Laboratory ID:	02-262-02					
Benzene	**0.41**	0.020	EPA 8021B	3-3-15	3-4-15	
Toluene	**ND**	0.098	EPA 8021B	3-3-15	3-4-15	
Ethyl Benzene	**1.2**	0.098	EPA 8021B	3-3-15	3-4-15	
m,p-Xylene	**8.9**	0.098	EPA 8021B	3-3-15	3-4-15	
o-Xylene	**4.8**	0.098	EPA 8021B	3-3-15	3-4-15	
Gasoline	**3000**	490	NWTPH-Gx	3-3-15	3-5-15	Z1
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***78***	***68-123***				
Client ID:	**B7-PIPING-B3-4.5**					
Laboratory ID:	02-262-03					
Benzene	**0.12**	0.020	EPA 8021B	3-3-15	3-4-15	
Toluene	**ND**	0.10	EPA 8021B	3-3-15	3-4-15	
Ethyl Benzene	**0.91**	0.10	EPA 8021B	3-3-15	3-4-15	
m,p-Xylene	**15**	5.1	EPA 8021B	3-3-15	3-5-15	
o-Xylene	**4.7**	0.10	EPA 8021B	3-3-15	3-4-15	
Gasoline	**5800**	510	NWTPH-Gx	3-3-15	3-5-15	Z2
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***77***	***68-123***				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-PIPING-B4-4.5**					
Laboratory ID:	02-262-04					
Benzene	**0.094**	0.024	EPA 8021B	3-3-15	3-4-15	
Toluene	**4.9**	0.12	EPA 8021B	3-3-15	3-4-15	
Ethyl Benzene	**11**	0.12	EPA 8021B	3-3-15	3-4-15	
m,p-Xylene	**31**	1.2	EPA 8021B	3-3-15	3-5-15	
o-Xylene	**5.9**	0.12	EPA 8021B	3-3-15	3-4-15	
Gasoline	**1400**	120	NWTPH-Gx	3-3-15	3-5-15	Z2
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***74***	***68-123***				
Client ID:	**B7-PIPING-S1-4.0**					
Laboratory ID:	02-262-05					
Benzene	**0.11**	0.035	EPA 8021B	3-3-15	3-6-15	
Toluene	**ND**	0.17	EPA 8021B	3-3-15	3-6-15	
Ethyl Benzene	**ND**	0.17	EPA 8021B	3-3-15	3-6-15	
m,p-Xylene	**0.64**	0.17	EPA 8021B	3-3-15	3-6-15	
o-Xylene	**ND**	0.17	EPA 8021B	3-3-15	3-6-15	
Gasoline	**250**	17	NWTPH-Gx	3-3-15	3-6-15	Z1
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***69***	***68-123***				
Client ID:	**B7-PIPING-S2-4.0**					
Laboratory ID:	02-262-06					
Benzene	**0.069**	0.020	EPA 8021B	3-3-15	3-6-15	
Toluene	**ND**	0.095	EPA 8021B	3-3-15	3-6-15	
Ethyl Benzene	**7.4**	0.095	EPA 8021B	3-3-15	3-6-15	
m,p-Xylene	**9.5**	2.4	EPA 8021B	3-3-15	3-6-15	
o-Xylene	**1.0**	0.095	EPA 8021B	3-3-15	3-6-15	
Gasoline	**1300**	240	NWTPH-Gx	3-3-15	3-6-15	Z1
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***77***	***68-123***				

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Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-PIPING-S3-3.5**					
Laboratory ID:	02-262-07					
Benzene	**0.28**	0.020	EPA 8021B	3-3-15	3-4-15	
Toluene	**ND**	0.048	EPA 8021B	3-3-15	3-4-15	
Ethyl Benzene	**0.96**	0.048	EPA 8021B	3-3-15	3-4-15	
m,p-Xylene	**7.1**	4.8	EPA 8021B	3-3-15	3-6-15	
o-Xylene	**3.4**	0.048	EPA 8021B	3-3-15	3-4-15	
Gasoline	**7900**	480	NWTPH-Gx	3-3-15	3-6-15	Z2
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***88***	***68-123***				
Client ID:	**B7-PIPING-S4-3.5**					
Laboratory ID:	02-262-08					
Benzene	**0.30**	0.022	EPA 8021B	3-3-15	3-4-15	
Toluene	**ND**	0.11	EPA 8021B	3-3-15	3-4-15	
Ethyl Benzene	**1.4**	0.11	EPA 8021B	3-3-15	3-4-15	
m,p-Xylene	**30**	5.5	EPA 8021B	3-3-15	3-5-15	
o-Xylene	**7.6**	0.11	EPA 8021B	3-3-15	3-4-15	
Gasoline	**8700**	1100	NWTPH-Gx	3-3-15	3-6-15	Z2
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***78***	***68-123***				

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Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0303S2					
Benzene	**ND**	0.020	EPA 8021B	3-3-15	3-4-15	
Toluene	**ND**	0.050	EPA 8021B	3-3-15	3-4-15	
Ethyl Benzene	**ND**	0.050	EPA 8021B	3-3-15	3-4-15	
m,p-Xylene	**ND**	0.050	EPA 8021B	3-3-15	3-4-15	
o-Xylene	**ND**	0.050	EPA 8021B	3-3-15	3-4-15	
Gasoline	**ND**	5.0	NWTPH-Gx	3-3-15	3-4-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***91***	***68-123***				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-255-06										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						***90***	***96***	***68-123***			
SPIKE BLANKS											
Laboratory ID:	SB0303S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.928**	**0.969**	1.00	1.00		**93**	**97**	75-117	4	13	
Toluene	**0.935**	**0.978**	1.00	1.00		**94**	**98**	78-118	4	12	
Ethyl Benzene	**0.923**	**0.973**	1.00	1.00		**92**	**97**	78-118	5	12	
m,p-Xylene	**0.932**	**0.979**	1.00	1.00		**93**	**98**	78-121	5	13	
o-Xylene	**0.924**	**0.960**	1.00	1.00		**92**	**96**	77-119	4	13	
Surrogate:											
Fluorobenzene						***93***	***96***	***68-123***			

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Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-PIPING-B1-5.0**					
Laboratory ID:	02-262-01					
Diesel Range Organics	**3300**	35	NWTPH-Dx	3-5-15	3-6-15	M
Lube Oil	**370**	70	NWTPH-Dx	3-5-15	3-6-15	N1
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***80***	***50-150***				
Client ID:	**B7-PIPING-B2-5.0**					
Laboratory ID:	02-262-02					
Diesel Range Organics	**4100**	29	NWTPH-Dx	3-5-15	3-6-15	M
Lube Oil	**710**	59	NWTPH-Dx	3-5-15	3-6-15	N1
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***90***	***50-150***				
Client ID:	**B7-PIPING-B3-4.5**					
Laboratory ID:	02-262-03					
Diesel Range Organics	**ND**	1600	NWTPH-Dx	3-5-15	3-6-15	U1,M1
Lube Oil	**67**	55	NWTPH-Dx	3-5-15	3-6-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***90***	***50-150***				
Client ID:	**B7-PIPING-B4-4.5**					
Laboratory ID:	02-262-04					
Diesel Range Organics	**1300**	30	NWTPH-Dx	3-5-15	3-6-15	M
Lube Oil	**350**	60	NWTPH-Dx	3-5-15	3-6-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***95***	***50-150***				
Client ID:	**B7-PIPING-S1-4.0**					
Laboratory ID:	02-262-05					
Diesel Range Organics	**14000**	210	NWTPH-Dx	3-5-15	3-6-15	
Lube Oil	**6100**	410	NWTPH-Dx	3-5-15	3-6-15	N1
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***106***	***50-150***				
Client ID:	**B7-PIPING-S2-4.0**					
Laboratory ID:	02-262-06					
Diesel Range Organics	**7400**	150	NWTPH-Dx	3-5-15	3-6-15	
Lube Oil Range Organics	**5600**	300	NWTPH-Dx	3-5-15	3-6-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***120***	***50-150***				

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Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-PIPING-S3-3.5**					
Laboratory ID:	02-262-07					
Diesel Range Organics	**ND**	1900	NWTPH-Dx	3-5-15	3-6-15	U1,M1
Lube Oil	**61**	57	NWTPH-Dx	3-5-15	3-6-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***84***	***50-150***				
Client ID:	**B7-PIPING-S4-3.5**					
Laboratory ID:	02-262-08					
Diesel Range Organics	**ND**	2900	NWTPH-Dx	3-5-15	3-6-15	U1,M1
Lube Oil Range Organics	**ND**	55	NWTPH-Dx	3-5-15	3-6-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***99***	***50-150***				

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Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0305S2					
Diesel Range Organics	**ND**	25	NWTPH-Dx	3-5-15	3-5-15	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	3-5-15	3-5-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***85***	***50-150***				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-020-03										
	ORIG	DUP									
Mineral Oil	**ND**	**ND**	NA	NA		NA		NA	NA	NA	X1
Surrogate:											
o-Terphenyl						***116***	***113***	***50-150***			

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Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

TOTAL METALS
EPA 6010C/7471B

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	02-262-01					
Client ID:	**B7-PIPING-B1-5.0**					
Arsenic	**ND**	14	6010C	3-6-15	3-6-15	
Barium	**24**	3.5	6010C	3-6-15	3-6-15	
Cadmium	**ND**	0.70	6010C	3-6-15	3-6-15	
Chromium	**7.8**	0.70	6010C	3-6-15	3-6-15	
Lead	**ND**	7.0	6010C	3-6-15	3-6-15	
Mercury	**ND**	0.35	7471B	3-6-15	3-6-15	
Selenium	**ND**	14	6010C	3-6-15	3-6-15	
Silver	**ND**	1.4	6010C	3-6-15	3-6-15	
Lab ID:	02-262-02					
Client ID:	**B7-PIPING-B2-5.0**					
Arsenic	**ND**	12	6010C	3-6-15	3-6-15	
Barium	**21**	2.9	6010C	3-6-15	3-6-15	
Cadmium	**ND**	0.59	6010C	3-6-15	3-6-15	
Chromium	**9.3**	0.59	6010C	3-6-15	3-6-15	
Lead	**ND**	5.9	6010C	3-6-15	3-6-15	
Mercury	**ND**	0.29	7471B	3-6-15	3-6-15	
Selenium	**ND**	12	6010C	3-6-15	3-6-15	
Silver	**ND**	1.2	6010C	3-6-15	3-6-15	

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Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

TOTAL METALS
EPA 6010C/7471B

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	02-262-03					
Client ID:	**B7-PIPING-B3-4.5**					
Arsenic	**ND**	11	6010C	3-6-15	3-6-15	
Barium	**41**	2.8	6010C	3-6-15	3-6-15	
Cadmium	**ND**	0.55	6010C	3-6-15	3-6-15	
Chromium	**9.9**	0.55	6010C	3-6-15	3-6-15	
Lead	**ND**	5.5	6010C	3-6-15	3-6-15	
Mercury	**ND**	0.28	7471B	3-6-15	3-6-15	
Selenium	**ND**	11	6010C	3-6-15	3-6-15	
Silver	**ND**	1.1	6010C	3-6-15	3-6-15	
Lab ID:	02-262-04					
Client ID:	**B7-PIPING-B4-4.5**					
Arsenic	**ND**	12	6010C	3-6-15	3-6-15	
Barium	**98**	3.0	6010C	3-6-15	3-6-15	
Cadmium	**ND**	0.60	6010C	3-6-15	3-6-15	
Chromium	**18**	0.60	6010C	3-6-15	3-6-15	
Lead	**24**	6.0	6010C	3-6-15	3-6-15	
Mercury	**ND**	0.30	7471B	3-6-15	3-6-15	
Selenium	**ND**	12	6010C	3-6-15	3-6-15	
Silver	**ND**	1.2	6010C	3-6-15	3-6-15	

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Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

TOTAL METALS
EPA 6010C/7471B

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	02-262-05					
Client ID:	**B7-PIPING-S1-4.0**					
Arsenic	**ND**	17	6010C	3-6-15	3-6-15	
Barium	**710**	4.1	6010C	3-6-15	3-6-15	
Cadmium	**ND**	0.83	6010C	3-6-15	3-6-15	
Chromium	**47**	0.83	6010C	3-6-15	3-6-15	
Lead	**660**	8.3	6010C	3-6-15	3-6-15	
Mercury	**0.52**	0.41	7471B	3-6-15	3-6-15	
Selenium	**ND**	17	6010C	3-6-15	3-6-15	
Silver	**ND**	1.7	6010C	3-6-15	3-6-15	
Lab ID:	02-262-06					
Client ID:	**B7-PIPING-S2-4.0**					
Arsenic	**ND**	12	6010C	3-6-15	3-6-15	
Barium	**100**	3.0	6010C	3-6-15	3-6-15	
Cadmium	**ND**	0.60	6010C	3-6-15	3-6-15	
Chromium	**24**	0.60	6010C	3-6-15	3-6-15	
Lead	**30**	6.0	6010C	3-6-15	3-6-15	
Mercury	**ND**	0.30	7471B	3-6-15	3-6-15	
Selenium	**ND**	12	6010C	3-6-15	3-6-15	
Silver	**ND**	1.2	6010C	3-6-15	3-6-15	

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Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

TOTAL METALS
EPA 6010C/7471B

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	02-262-07					
Client ID:	**B7-PIPING-S3-3.5**					
Arsenic	**ND**	11	6010C	3-6-15	3-6-15	
Barium	**52**	2.8	6010C	3-6-15	3-6-15	
Cadmium	**ND**	0.57	6010C	3-6-15	3-6-15	
Chromium	**8.6**	0.57	6010C	3-6-15	3-6-15	
Lead	**ND**	5.7	6010C	3-6-15	3-6-15	
Mercury	**ND**	0.28	7471B	3-6-15	3-6-15	
Selenium	**ND**	11	6010C	3-6-15	3-6-15	
Silver	**ND**	1.1	6010C	3-6-15	3-6-15	
Lab ID:	02-262-08					
Client ID:	**B7-PIPING-S4-3.5**					
Arsenic	**ND**	11	6010C	3-6-15	3-6-15	
Barium	**33**	2.8	6010C	3-6-15	3-6-15	
Cadmium	**ND**	0.55	6010C	3-6-15	3-6-15	
Chromium	**8.5**	0.55	6010C	3-6-15	3-6-15	
Lead	**ND**	5.5	6010C	3-6-15	3-6-15	
Mercury	**ND**	0.28	7471B	3-6-15	3-6-15	
Selenium	**ND**	11	6010C	3-6-15	3-6-15	
Silver	**ND**	1.1	6010C	3-6-15	3-6-15	

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Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
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Project: 14697

TOTAL METALS
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Extracted:	3-6-15
Date Analyzed:	3-6-15
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0306SM2

Analyte	Method	Result	PQL
Arsenic	6010C	**ND**	10
Barium	6010C	**ND**	2.5
Cadmium	6010C	**ND**	0.50
Chromium	6010C	**ND**	0.50
Lead	6010C	**ND**	5.0
Selenium	6010C	**ND**	10
Silver	6010C	**ND**	1.0

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Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

TOTAL MERCURY
EPA 7471B
METHOD BLANK QUALITY CONTROL

Date Extracted:	3-6-15
Date Analyzed:	3-6-15
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0306S1

Analyte	Method	Result	PQL
Mercury	7471B	**ND**	0.25

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Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

TOTAL METALS
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 3-6-15
Date Analyzed: 3-6-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 02-262-03

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Barium	**37.0**	**39.3**	6	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**8.95**	**8.90**	1	0.50	
Lead	**ND**	**ND**	NA	5.0	
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	1.0	

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Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

TOTAL MERCURY
EPA 7471B
DUPLICATE QUALITY CONTROL

Date Extracted: 3-6-15
Date Analyzed: 3-6-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 03-037-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Mercury	**ND**	**ND**	NA	0.25	

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Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

TOTAL METALS
EPA 6010C
MS/MSD QUALITY CONTROL

Date Extracted: 3-6-15
Date Analyzed: 3-6-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 02-262-03

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**96.8**	97	**97.2**	97	0	
Barium	100	**151**	114	**141**	104	6	
Cadmium	50.0	**49.4**	99	**49.4**	99	0	
Chromium	100	**106**	97	**105**	96	1	
Lead	250	**252**	101	**251**	100	0	
Selenium	100	**96.5**	96	**94.1**	94	3	
Silver	25.0	**25.1**	100	**25.1**	100	0	

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Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

TOTAL MERCURY
EPA 7471B
MS/MSD QUALITY CONTROL

Date Extracted: 3-6-15
Date Analyzed: 3-6-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 03-037-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Mercury	0.500	**0.486**	97	**0.486**	97	0	

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Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-PIPING-B1-5.0**					
Laboratory ID:	02-262-01					
Benzo[a]anthracene	**0.45**	0.19	EPA 8270D/SIM	3-8-15	3-10-15	
Chrysene	**0.47**	0.19	EPA 8270D/SIM	3-8-15	3-10-15	
Benzo[b]fluoranthene	**0.26**	0.19	EPA 8270D/SIM	3-8-15	3-10-15	
Benzo(j,k)fluoranthene	**0.27**	0.19	EPA 8270D/SIM	3-8-15	3-10-15	
Benzo[a]pyrene	**0.42**	0.19	EPA 8270D/SIM	3-8-15	3-10-15	
Indeno(1,2,3-c,d)pyrene	**ND**	0.19	EPA 8270D/SIM	3-8-15	3-10-15	
Dibenz[a,h]anthracene	**ND**	0.19	EPA 8270D/SIM	3-8-15	3-10-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***97***	***32 - 114***				
Pyrene-d10	***80***	***33 - 121***				
Terphenyl-d14	***76***	***31 - 116***				

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Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-PIPING-B2-5.0**					
Laboratory ID:	02-262-02					
Benzo[a]anthracene	**4.1**	0.31	EPA 8270D/SIM	3-8-15	3-10-15	
Chrysene	**4.3**	0.31	EPA 8270D/SIM	3-8-15	3-10-15	
Benzo[b]fluoranthene	**3.2**	0.31	EPA 8270D/SIM	3-8-15	3-10-15	
Benzo(j,k)fluoranthene	**3.7**	0.31	EPA 8270D/SIM	3-8-15	3-10-15	
Benzo[a]pyrene	**4.6**	0.31	EPA 8270D/SIM	3-8-15	3-10-15	
Indeno(1,2,3-c,d)pyrene	**1.9**	0.31	EPA 8270D/SIM	3-8-15	3-10-15	
Dibenz[a,h]anthracene	**0.73**	0.31	EPA 8270D/SIM	3-8-15	3-10-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***.--***	***32 - 114***				S
Pyrene-d10	***.--***	***33 - 121***				S
Terphenyl-d14	***.--***	***31 - 116***				S

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Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-PIPING-B3-4.5**					
Laboratory ID:	02-262-03					
Benzo[a]anthracene	**ND**	0.015	EPA 8270D/SIM	3-8-15	3-9-15	
Chrysene	**0.020**	0.015	EPA 8270D/SIM	3-8-15	3-9-15	
Benzo[b]fluoranthene	**0.020**	0.015	EPA 8270D/SIM	3-8-15	3-9-15	
Benzo(j,k)fluoranthene	**ND**	0.015	EPA 8270D/SIM	3-8-15	3-9-15	
Benzo[a]pyrene	**0.027**	0.015	EPA 8270D/SIM	3-8-15	3-9-15	
Indeno(1,2,3-c,d)pyrene	**0.044**	0.015	EPA 8270D/SIM	3-8-15	3-9-15	
Dibenz[a,h]anthracene	**ND**	0.015	EPA 8270D/SIM	3-8-15	3-9-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***104***	***32 - 114***				
Pyrene-d10	***98***	***33 - 121***				
Terphenyl-d14	***83***	***31 - 116***				

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Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-PIPING-B4-4.5**					
Laboratory ID:	02-262-04					
Benzo[a]anthracene	**0.19**	0.016	EPA 8270D/SIM	3-8-15	3-10-15	
Chrysene	**0.17**	0.016	EPA 8270D/SIM	3-8-15	3-10-15	
Benzo[b]fluoranthene	**0.31**	0.016	EPA 8270D/SIM	3-8-15	3-10-15	
Benzo(j,k)fluoranthene	**0.12**	0.016	EPA 8270D/SIM	3-8-15	3-10-15	
Benzo[a]pyrene	**0.17**	0.016	EPA 8270D/SIM	3-8-15	3-10-15	
Indeno(1,2,3-c,d)pyrene	**0.13**	0.016	EPA 8270D/SIM	3-8-15	3-10-15	
Dibenz[a,h]anthracene	**0.052**	0.016	EPA 8270D/SIM	3-8-15	3-10-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***95***	***32 - 114***				
Pyrene-d10	***90***	***33 - 121***				
Terphenyl-d14	***104***	***31 - 116***				

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Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-PIPING-S1-4.0**					
Laboratory ID:	02-262-05					
Benzo[a]anthracene	**3.2**	0.11	EPA 8270D/SIM	3-8-15	3-10-15	
Chrysene	**3.1**	0.11	EPA 8270D/SIM	3-8-15	3-10-15	
Benzo[b]fluoranthene	**9.2**	0.11	EPA 8270D/SIM	3-8-15	3-10-15	
Benzo(j,k)fluoranthene	**2.4**	0.11	EPA 8270D/SIM	3-8-15	3-10-15	
Benzo[a]pyrene	**7.8**	0.11	EPA 8270D/SIM	3-8-15	3-10-15	
Indeno(1,2,3-c,d)pyrene	**9.1**	0.11	EPA 8270D/SIM	3-8-15	3-10-15	
Dibenz[a,h]anthracene	**2.1**	0.11	EPA 8270D/SIM	3-8-15	3-10-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***97***	***32 - 114***				
Pyrene-d10	***67***	***33 - 121***				
Terphenyl-d14	***66***	***31 - 116***				

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Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-PIPING-S2-4.0**					
Laboratory ID:	02-262-06					
Benzo[a]anthracene	**50**	1.6	EPA 8270D/SIM	3-8-15	3-10-15	
Chrysene	**52**	1.6	EPA 8270D/SIM	3-8-15	3-10-15	
Benzo[b]fluoranthene	**53**	1.6	EPA 8270D/SIM	3-8-15	3-10-15	
Benzo(j,k)fluoranthene	**44**	1.6	EPA 8270D/SIM	3-8-15	3-10-15	
Benzo[a]pyrene	**51**	1.6	EPA 8270D/SIM	3-8-15	3-10-15	
Indeno(1,2,3-c,d)pyrene	**28**	1.6	EPA 8270D/SIM	3-8-15	3-10-15	
Dibenz[a,h]anthracene	**12**	1.6	EPA 8270D/SIM	3-8-15	3-10-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***.--***	***32 - 114***				S
Pyrene-d10	***.--***	***33 - 121***				S
Terphenyl-d14	***.--***	***31 - 116***				S

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Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-PIPING-S3-3.5**					
Laboratory ID:	02-262-07					
Benzo[a]anthracene	**ND**	0.0076	EPA 8270D/SIM	3-8-15	3-11-15	
Chrysene	**ND**	0.0076	EPA 8270D/SIM	3-8-15	3-11-15	
Benzo[b]fluoranthene	**ND**	0.0076	EPA 8270D/SIM	3-8-15	3-11-15	
Benzo(j,k)fluoranthene	**ND**	0.0076	EPA 8270D/SIM	3-8-15	3-11-15	
Benzo[a]pyrene	**ND**	0.0076	EPA 8270D/SIM	3-8-15	3-11-15	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0076	EPA 8270D/SIM	3-8-15	3-11-15	
Dibenz[a,h]anthracene	**ND**	0.0076	EPA 8270D/SIM	3-8-15	3-11-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***79***	***32 - 114***				
Pyrene-d10	***78***	***33 - 121***				
Terphenyl-d14	***80***	***31 - 116***				

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Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-PIPING-S4-3.5**					
Laboratory ID:	02-262-08					
Benzo[a]anthracene	**ND**	0.0074	EPA 8270D/SIM	3-8-15	3-10-15	
Chrysene	**0.0095**	0.0074	EPA 8270D/SIM	3-8-15	3-10-15	
Benzo[b]fluoranthene	**0.013**	0.0074	EPA 8270D/SIM	3-8-15	3-10-15	
Benzo(j,k)fluoranthene	**0.0081**	0.0074	EPA 8270D/SIM	3-8-15	3-10-15	
Benzo[a]pyrene	**0.027**	0.0074	EPA 8270D/SIM	3-8-15	3-10-15	
Indeno(1,2,3-c,d)pyrene	**0.052**	0.0074	EPA 8270D/SIM	3-8-15	3-10-15	
Dibenz[a,h]anthracene	**0.0081**	0.0074	EPA 8270D/SIM	3-8-15	3-10-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***89***	***32 - 114***				
Pyrene-d10	***88***	***33 - 121***				
Terphenyl-d14	***81***	***31 - 116***				

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Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

cPAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0308S1					
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	3-8-15	3-9-15	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	3-8-15	3-9-15	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	3-8-15	3-9-15	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	3-8-15	3-9-15	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	3-8-15	3-9-15	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270D/SIM	3-8-15	3-9-15	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	3-8-15	3-9-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***92***	***32 - 114***				
Pyrene-d10	***88***	***33 - 121***				
Terphenyl-d14	***79***	***31 - 116***				

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Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

cPAHs EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-023-03										
	MS	MSD	MS	MSD		MS	MSD				
Benzo[a]anthracene	**0.0555**	**0.0706**	0.0833	0.0833	ND	67	85	42 - 134	24	27	
Chrysene	**0.0697**	**0.0724**	0.0833	0.0833	ND	84	87	45 - 114	4	27	
Benzo[b]fluoranthene	**0.0739**	**0.0909**	0.0833	0.0833	ND	89	109	38 - 131	20	33	
Benzo(j,k)fluoranthene	**0.0667**	**0.0753**	0.0833	0.0833	ND	80	90	44 - 114	12	34	
Benzo[a]pyrene	**0.0751**	**0.0826**	0.0833	0.0833	ND	90	99	40 - 136	10	29	
Indeno(1,2,3-c,d)pyrene	**0.0682**	**0.0769**	0.0833	0.0833	ND	82	92	45 - 126	12	30	
Dibenz[a,h]anthracene	**0.0692**	**0.0773**	0.0833	0.0833	ND	83	93	46 - 121	11	28	
Surrogate:											
2-Fluorobiphenyl						***79***	***91***	***32 - 114***			
Pyrene-d10						***80***	***86***	***33 - 121***			
Terphenyl-d14						***66***	***74***	***31 - 116***			

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Date of Report: March 11, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-262
Project: 14697

% MOISTURE

Date Analyzed: 3-3-15

Client ID	Lab ID	% Moisture
B7-PIPING-B1-5.0	02-262-01	28
B7-PIPING-B2-5.0	02-262-02	15
B7-PIPING-B3-4.5	02-262-03	9
B7-PIPING-B4-4.5	02-262-04	17
B7-PIPING-S1-4.0	02-262-05	40
B7-PIPING-S2-4.0	02-262-06	17
B7-PIPING-S3-3.5	02-262-07	12
B7-PIPING-S4-3.5	02-262-08	9

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z1 - The sample chromatogram is similar to mineral spirits with diesel.

Z2 -The sample chromatogram is similar to mineral spirits.

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Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Amec
Project Number: Kelly-Moore Soil EX.
Project Name: 14697
Project Manager: Tasya Gray
Sampled by: Nathan Moxley

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Days ☐ 3 Days
- ☒ Standard (7 Days) (TPH analysis 5 Days)
- ☐ _____ (other)

Laboratory Number: 02-262

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	cPAHs					% Moisture
1	B7-piping-B1-5.0	2/27/15	1000	Soil	2		X		X									X				X					10
2	B7-piping-B2-5.0		1005		2																						
3	B7-piping-B3-4.5		1010		2																						
4	B7-piping-B4-4.5		1015		2																						
5	B7-piping-S1-4.0		1020		2																						
6	B7-piping-S2-4.0		1025		2																						
7	B7-piping-S3-3.5		1030		3																						
8	B7-piping-S4-3.5		1035		3																						

	Signature	Company	Date	Time
Relinquished		Amec	2/27/15	1400
Received		GPROD-1	2/27/15	1401
Relinquished		GPROD-1	2/27/15	1546
Received		GPROD	2/27/15	1546
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 6, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 1503-037

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 5, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 6, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-037
Project: 14697

Case Narrative

Samples were collected on March 5, 2015 and received by the laboratory on March 5, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX Analysis

Method 5035A VOA vials were not provided. The sample was therefore extracted from a 4-ounce jar for analysis. Some loss of volatiles may have occurred.

The sample chromatogram is similar to mineral spirits with diesel.

Semivolatiles EPA 8270D/SIM Analysis

Sample tank-soil-B1 had one surrogate recovery out of control limits. This is within allowance of our standard operating procedure as long as the recovery is above 10%.

Total Metals EPA 6010C/7471B Analysis

The duplicate RPD for Chromium is outside control limits due to the inherently high percentage variability of samples that are within five times the detection limit.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

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Date of Report: March 6, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-037
Project: 14697

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**tank-soil-B1**					
Laboratory ID:	03-037-01					
Benzene	**0.17**	0.025	EPA 8021B	3-5-15	3-5-15	
Toluene	**0.19**	0.13	EPA 8021B	3-5-15	3-5-15	
Ethyl Benzene	**2.5**	0.13	EPA 8021B	3-5-15	3-5-15	
m,p-Xylene	**5.0**	0.13	EPA 8021B	3-5-15	3-5-15	
o-Xylene	**ND**	1.3	EPA 8021B	3-5-15	3-5-15	U1
Gasoline	**4400**	320	NWTPH-Gx	3-5-15	3-6-15	Z
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***85***	***68-123***				

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Date of Report: March 6, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-037
Project: 14697

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0305S1					
Benzene	**ND**	0.020	EPA 8021B	3-5-15	3-5-15	
Toluene	**ND**	0.050	EPA 8021B	3-5-15	3-5-15	
Ethyl Benzene	**ND**	0.050	EPA 8021B	3-5-15	3-5-15	
m,p-Xylene	**ND**	0.050	EPA 8021B	3-5-15	3-5-15	
o-Xylene	**ND**	0.050	EPA 8021B	3-5-15	3-5-15	
Gasoline	**ND**	5.0	NWTPH-Gx	3-5-15	3-5-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***84***	***68-123***				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-031-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						***89***	***92***	***68-123***			
SPIKE BLANKS											
Laboratory ID:	SB0305S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.930**	**0.964**	1.00	1.00		**93**	**96**	75-117	4	13	
Toluene	**0.936**	**0.968**	1.00	1.00		**94**	**97**	78-118	3	12	
Ethyl Benzene	**0.932**	**0.974**	1.00	1.00		**93**	**97**	78-118	4	12	
m,p-Xylene	**0.939**	**0.980**	1.00	1.00		**94**	**98**	78-121	4	13	
o-Xylene	**0.948**	**0.983**	1.00	1.00		**95**	**98**	77-119	4	13	
Surrogate:											
Fluorobenzene						***91***	***94***	***68-123***			

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 6, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-037
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**tank-soil-B1**					
Laboratory ID:	03-037-01					
Diesel Range Organics	**2100**	150	NWTPH-Dx	3-5-15	3-5-15	M
Lube Oil Range Organics	**1700**	290	NWTPH-Dx	3-5-15	3-5-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***87***	***50-150***				

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Date of Report: March 6, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-037
Project: 14697

NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0305S4					
Diesel Range Organics	**ND**	25	NWTPH-Dx	3-5-15	3-5-15	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	3-5-15	3-5-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***102***	***50-150***				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	03-031-01									
	ORIG	DUP								
Diesel Range	**ND**	**ND**	NA	NA		NA	NA	NA	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA	NA	NA	NA	
Surrogate:										
o-Terphenyl						***92*** ***94***	***50-150***			

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 6, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-037
Project: 14697

SEMIVOLATILES EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**tank-soil-B1**					
Laboratory ID:	03-037-01					
n-Nitrosodimethylamine	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
Pyridine	**ND**	7.9	EPA 8270D	3-5-15	3-6-15	
Phenol	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
Aniline	**ND**	3.9	EPA 8270D	3-5-15	3-6-15	
bis(2-Chloroethyl)ether	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
2-Chlorophenol	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
1,3-Dichlorobenzene	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
1,4-Dichlorobenzene	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
Benzyl alcohol	**ND**	3.9	EPA 8270D	3-5-15	3-6-15	
1,2-Dichlorobenzene	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
2-Methylphenol (o-Cresol)	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
bis(2-Chloroisopropyl)ether	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
n-Nitroso-di-n-propylamine	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
Hexachloroethane	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
Nitrobenzene	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
Isophorone	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
2-Nitrophenol	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
2,4-Dimethylphenol	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
bis(2-Chloroethoxy)methane	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
2,4-Dichlorophenol	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
1,2,4-Trichlorobenzene	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
Naphthalene	**8.2**	0.79	EPA 8270D	3-5-15	3-6-15	
4-Chloroaniline	**ND**	3.9	EPA 8270D	3-5-15	3-6-15	
Hexachlorobutadiene	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
4-Chloro-3-methylphenol	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
2-Methylnaphthalene	**16**	0.79	EPA 8270D	3-5-15	3-6-15	
1-Methylnaphthalene	**12**	0.79	EPA 8270D	3-5-15	3-6-15	
Hexachlorocyclopentadiene	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
2,4,6-Trichlorophenol	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
2,3-Dichloroaniline	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
2,4,5-Trichlorophenol	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
2-Chloronaphthalene	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
2-Nitroaniline	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
1,4-Dinitrobenzene	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
Dimethylphthalate	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
1,3-Dinitrobenzene	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
2,6-Dinitrotoluene	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
1,2-Dinitrobenzene	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
Acenaphthylene	**0.93**	0.79	EPA 8270D	3-5-15	3-6-15	
3-Nitroaniline	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	

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Date of Report: March 6, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-037
Project: 14697

SEMIVOLATILES EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**tank-soil-B1**					
Laboratory ID:	03-037-01					
2,4-Dinitrophenol	**ND**	3.9	EPA 8270D	3-5-15	3-6-15	
Acenaphthene	**5.8**	0.79	EPA 8270D	3-5-15	3-6-15	
4-Nitrophenol	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
2,4-Dinitrotoluene	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
Dibenzofuran	**1.8**	0.79	EPA 8270D	3-5-15	3-6-15	
2,3,5,6-Tetrachlorophenol	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
2,3,4,6-Tetrachlorophenol	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
Diethylphthalate	**ND**	3.9	EPA 8270D	3-5-15	3-6-15	
4-Chlorophenyl-phenylether	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
4-Nitroaniline	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
Fluorene	**3.6**	0.79	EPA 8270D	3-5-15	3-6-15	
4,6-Dinitro-2-methylphenol	**ND**	3.9	EPA 8270D	3-5-15	3-6-15	
n-Nitrosodiphenylamine	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
1,2-Diphenylhydrazine	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
4-Bromophenyl-phenylether	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
Hexachlorobenzene	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
Pentachlorophenol	**ND**	3.9	EPA 8270D	3-5-15	3-6-15	
Phenanthrene	**12**	0.79	EPA 8270D	3-5-15	3-6-15	
Anthracene	**3.3**	0.79	EPA 8270D	3-5-15	3-6-15	
Carbazole	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
Di-n-butylphthalate	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
Fluoranthene	**14**	0.79	EPA 8270D	3-5-15	3-6-15	
Benzidine	**ND**	7.9	EPA 8270D	3-5-15	3-6-15	
Pyrene	**14**	0.79	EPA 8270D	3-5-15	3-6-15	
Butylbenzylphthalate	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
bis-2-Ethylhexyladipate	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
3,3'-Dichlorobenzidine	**ND**	3.9	EPA 8270D	3-5-15	3-6-15	
Benzo[a]anthracene	**11**	0.79	EPA 8270D	3-5-15	3-6-15	
Chrysene	**15**	0.79	EPA 8270D	3-5-15	3-6-15	
bis(2-Ethylhexyl)phthalate	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
Di-n-octylphthalate	**ND**	0.79	EPA 8270D	3-5-15	3-6-15	
Benzo[b]fluoranthene	**20**	0.79	EPA 8270D	3-5-15	3-6-15	
Benzo(j,k)fluoranthene	**6.0**	0.79	EPA 8270D	3-5-15	3-6-15	
Benzo[a]pyrene	**11**	0.79	EPA 8270D	3-5-15	3-6-15	
Indeno[1,2,3-cd]pyrene	**8.4**	0.79	EPA 8270D	3-5-15	3-6-15	
Dibenz[a,h]anthracene	**3.2**	0.79	EPA 8270D	3-5-15	3-6-15	
Benzo[g,h,i]perylene	**10**	0.79	EPA 8270D	3-5-15	3-6-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorophenol	***47***	***31 - 110***				
Phenol-d6	***60***	***34 - 109***				
Nitrobenzene-d5	***125***	***30 - 109***				Q
2-Fluorobiphenyl	***83***	***39 - 103***				
2,4,6-Tribromophenol	***48***	***25 - 120***				
Terphenyl-d14	***75***	***40 - 117***				

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Date of Report: March 6, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-037
Project: 14697

SEMIVOLATILES EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0305S1					
n-Nitrosodimethylamine	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
Pyridine	**ND**	0.33	EPA 8270D	3-5-15	3-6-15	
Phenol	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
Aniline	**ND**	0.17	EPA 8270D	3-5-15	3-6-15	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
2-Chlorophenol	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
Benzyl alcohol	**ND**	0.17	EPA 8270D	3-5-15	3-6-15	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
n-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
Hexachloroethane	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
Nitrobenzene	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
Isophorone	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
2-Nitrophenol	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
Naphthalene	**ND**	0.0067	EPA 8270D/SIM	3-5-15	3-6-15	
4-Chloroaniline	**ND**	0.17	EPA 8270D	3-5-15	3-6-15	
Hexachlorobutadiene	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	3-5-15	3-6-15	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	3-5-15	3-6-15	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
2-Chloronaphthalene	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
2-Nitroaniline	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
Dimethylphthalate	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
Acenaphthylene	**ND**	0.0067	EPA 8270D/SIM	3-5-15	3-6-15	
3-Nitroaniline	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	

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Laboratory Reference: 1503-037
Project: 14697

SEMIVOLATILES EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0305S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270D	3-5-15	3-6-15	
Acenaphthene	**ND**	0.0067	EPA 8270D/SIM	3-5-15	3-6-15	
4-Nitrophenol	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
Dibenzofuran	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
Diethylphthalate	**ND**	0.17	EPA 8270D	3-5-15	3-6-15	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
4-Nitroaniline	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
Fluorene	**ND**	0.0067	EPA 8270D/SIM	3-5-15	3-6-15	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270D	3-5-15	3-6-15	
n-Nitrosodiphenylamine	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
Hexachlorobenzene	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
Pentachlorophenol	**ND**	0.17	EPA 8270D	3-5-15	3-6-15	
Phenanthrene	**ND**	0.0067	EPA 8270D/SIM	3-5-15	3-6-15	
Anthracene	**ND**	0.0067	EPA 8270D/SIM	3-5-15	3-6-15	
Carbazole	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
Di-n-butylphthalate	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
Fluoranthene	**ND**	0.0067	EPA 8270D/SIM	3-5-15	3-6-15	
Benzidine	**ND**	0.33	EPA 8270D	3-5-15	3-6-15	
Pyrene	**ND**	0.0067	EPA 8270D/SIM	3-5-15	3-6-15	
Butylbenzylphthalate	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
3,3'-Dichlorobenzidine	**ND**	0.17	EPA 8270D	3-5-15	3-6-15	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	3-5-15	3-6-15	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	3-5-15	3-6-15	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
Di-n-octylphthalate	**ND**	0.033	EPA 8270D	3-5-15	3-6-15	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	3-5-15	3-6-15	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	3-5-15	3-6-15	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	3-5-15	3-6-15	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270D/SIM	3-5-15	3-6-15	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	3-5-15	3-6-15	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270D/SIM	3-5-15	3-6-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorophenol	***75***	***31 - 110***				
Phenol-d6	***77***	***34 - 109***				
Nitrobenzene-d5	***80***	***30 - 109***				
2-Fluorobiphenyl	***75***	***39 - 103***				
2,4,6-Tribromophenol	***69***	***25 - 120***				
Terphenyl-d14	***68***	***40 - 117***				

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Date of Report: March 6, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-037
Project: 14697

SEMIVOLATILES EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0305S1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**0.954**	**1.06**	1.33	1.33	72	80	55 - 105	11	25	
2-Chlorophenol	**0.950**	**1.07**	1.33	1.33	71	80	56 - 102	12	30	
1,4-Dichlorobenzene	**0.487**	**0.528**	0.667	0.667	73	79	49 - 99	8	35	
n-Nitroso-di-n-propylamine	**0.460**	**0.521**	0.667	0.667	69	78	52 - 102	12	26	
1,2,4-Trichlorobenzene	**0.479**	**0.559**	0.667	0.667	72	84	49 - 110	15	30	
4-Chloro-3-methylphenol	**0.908**	**1.10**	1.33	1.33	68	83	59 - 113	19	22	
Acenaphthene	**0.422**	**0.512**	0.667	0.667	63	77	52 - 103	19	22	
4-Nitrophenol	**0.944**	**1.18**	1.33	1.33	71	89	51 - 125	22	23	
2,4-Dinitrotoluene	**0.429**	**0.534**	0.667	0.667	64	80	53 - 118	22	23	
Pentachlorophenol	**0.957**	**1.13**	1.33	1.33	72	85	25 - 141	17	39	
Pyrene	**0.423**	**0.505**	0.667	0.667	63	76	57 - 120	18	20	
Surrogate:										
2-Fluorophenol					***68***	***76***	***31 - 110***			
Phenol-d6					***69***	***79***	***34 - 109***			
Nitrobenzene-d5					***69***	***82***	***30 - 109***			
2-Fluorobiphenyl					***66***	***78***	***39 - 103***			
2,4,6-Tribromophenol					***63***	***76***	***25 - 120***			
Terphenyl-d14					***60***	***71***	***40 - 117***			

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 6, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-037
Project: 14697

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**tank-soil-B1**					
Laboratory ID:	03-037-01					
Aroclor 1016	**ND**	0.24	EPA 8082A	3-6-15	3-6-15	
Aroclor 1221	**ND**	0.24	EPA 8082A	3-6-15	3-6-15	
Aroclor 1232	**ND**	0.24	EPA 8082A	3-6-15	3-6-15	
Aroclor 1242	**ND**	0.24	EPA 8082A	3-6-15	3-6-15	
Aroclor 1248	**ND**	0.24	EPA 8082A	3-6-15	3-6-15	
Aroclor 1254	**ND**	0.24	EPA 8082A	3-6-15	3-6-15	
Aroclor 1260	**ND**	0.24	EPA 8082A	3-6-15	3-6-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***104***	***55-140***				

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Date of Report: March 6, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-037
Project: 14697

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0306S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	3-6-15	3-6-15	
Aroclor 1221	**ND**	0.050	EPA 8082A	3-6-15	3-6-15	
Aroclor 1232	**ND**	0.050	EPA 8082A	3-6-15	3-6-15	
Aroclor 1242	**ND**	0.050	EPA 8082A	3-6-15	3-6-15	
Aroclor 1248	**ND**	0.050	EPA 8082A	3-6-15	3-6-15	
Aroclor 1254	**ND**	0.050	EPA 8082A	3-6-15	3-6-15	
Aroclor 1260	**ND**	0.050	EPA 8082A	3-6-15	3-6-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***91***	***55-140***				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-022-02										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.296**	**0.267**	0.500	0.500	ND	**59**	**53**	46-136	10	17	
Surrogate:											
DCB						***65***	***62***	***55-140***			

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Date of Report: March 6, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-037
Project: 14697

TOTAL METALS
EPA 6010C/7471B

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	03-037-01					
Client ID:	**tank-soil-B1**					
Arsenic	**ND**	12	6010C	3-5-15	3-5-15	
Barium	**170**	2.9	6010C	3-5-15	3-5-15	
Cadmium	**ND**	0.59	6010C	3-5-15	3-5-15	
Chromium	**25**	0.59	6010C	3-5-15	3-5-15	
Lead	**120**	5.9	6010C	3-5-15	3-5-15	
Mercury	**ND**	0.29	7471B	3-6-15	3-6-15	
Selenium	**ND**	12	6010C	3-5-15	3-5-15	
Silver	**ND**	1.2	6010C	3-5-15	3-5-15	

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Date of Report: March 6, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-037
Project: 14697

TOTAL METALS
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Extracted:	3-5-15
Date Analyzed:	3-5-15
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0305SM1

Analyte	Method	Result	PQL
Arsenic	6010C	**ND**	10
Barium	6010C	**ND**	2.5
Cadmium	6010C	**ND**	0.50
Chromium	6010C	**ND**	0.50
Lead	6010C	**ND**	5.0
Selenium	6010C	**ND**	10
Silver	6010C	**ND**	1.0

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Date of Report: March 6, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-037
Project: 14697

TOTAL MERCURY
EPA 7471B
METHOD BLANK QUALITY CONTROL

Date Extracted:	3-6-15
Date Analyzed:	3-6-15
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB03061

Analyte	Method	Result	PQL
Mercury	7471B	**ND**	0.25

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Date of Report: March 6, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-037
Project: 14697

TOTAL METALS
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 3-5-15
Date Analyzed: 3-5-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 02-189-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Barium	**55.7**	**54.0**	3	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**55.6**	**41.4**	29	0.50	K
Lead	**ND**	**ND**	NA	5.0	
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	1.0	

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Date of Report: March 6, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-037
Project: 14697

TOTAL MERCURY
EPA 7471B
DUPLICATE QUALITY CONTROL

Date Extracted: 3-6-15
Date Analyzed: 3-6-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 03-037-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Mercury	**ND**	**ND**	NA	0.25	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 6, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-037
Project: 14697

TOTAL METALS
EPA 6010C
MS/MSD QUALITY CONTROL

Date Extracted: 3-5-15
Date Analyzed: 3-5-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 02-189-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**94.2**	94	**89.9**	90	5	
Barium	100	**165**	110	**158**	103	4	
Cadmium	50.0	**50.0**	100	**48.3**	97	3	
Chromium	100	**139**	83	**138**	83	0	
Lead	250	**229**	92	**220**	88	4	
Selenium	100	**95.7**	96	**94.8**	95	1	
Silver	25.0	**21.4**	86	**20.4**	82	5	

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Date of Report: March 6, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-037
Project: 14697

TOTAL MERCURY
EPA 7471B
MS/MSD QUALITY CONTROL

Date Extracted: 3-6-15
Date Analyzed: 3-6-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 03-037-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Mercury	0.500	**0.486**	97	**0.486**	97	0	

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Date of Report: March 6, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-037
Project: 14697

% MOISTURE

Date Analyzed: 3-5-15

Client ID	Lab ID	% Moisture
tank-soil-B1	03-037-01	15

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z - The sample chromatogram is similar to mineral spirits with diesel.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Amec
Project Number: 14697
Project Name: Former Kelly-Moore
Project Manager: Tasya Gray
Sampled by: Nathan Moxley

Turnaround Request (in working days)
(Check One)
- ☐ Same Day
- ☒ 1 Day
- ☐ 2 Days
- ☐ 3 Days
- ☐ Standard (7 Days) (TPH analysis 5 Days)
- ☒ ~~Rush~~ DT7 (other)

Laboratory Number: 03-037

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
1	tank-soil-B1	3/5/15	1210	Soil	2		X		X			X		X				X				X

	Signature	Company	Date	Time
Relinquished		Amec	3/5/15	1300
Received		SPECTRA	3/5/15	1300
Relinquished		SPECTRA	3/5/15	1330
Received		ONE	3/5/15	1330
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
~~Please confirm analysis of SVOCs and PCBs~~ ~~w/ Tasya Gray~~ DB

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 11, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project 14967
Laboratory Reference No. 1503-080

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 10, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 11, 2015
Samples Submitted: March 10, 2015
Laboratory Reference: 1503-080
Project: 14967

Case Narrative

Samples were collected on March 9, 2015 and received by the laboratory on March 10, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Volatiles EPA 8260C Analysis

Method 5035 vials were not supplied, therefore samples were extracted from 4oz jars. Some loss of volatiles may have occurred.

Due to the necessary dilution of the samples some MTCA cleanup levels were not achievable.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

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Date of Report: March 11, 2015
Samples Submitted: March 10, 2015
Laboratory Reference: 1503-080
Project: 14967

VOLATILES EPA 8260C
Page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank-soil-B1-B**					
Laboratory ID:	03-080-01					
Dichlorodifluoromethane	ND	0.063	EPA 8260C	3-10-15	3-10-15	
Chloromethane	ND	0.31	EPA 8260C	3-10-15	3-10-15	
Vinyl Chloride	ND	0.063	EPA 8260C	3-10-15	3-10-15	
Bromomethane	ND	0.063	EPA 8260C	3-10-15	3-10-15	
Chloroethane	ND	0.31	EPA 8260C	3-10-15	3-10-15	
Trichlorofluoromethane	ND	0.063	EPA 8260C	3-10-15	3-10-15	
1,1-Dichloroethene	ND	0.063	EPA 8260C	3-10-15	3-10-15	
Acetone	ND	0.31	EPA 8260C	3-10-15	3-10-15	
Iodomethane	ND	0.31	EPA 8260C	3-10-15	3-10-15	
Carbon Disulfide	ND	0.063	EPA 8260C	3-10-15	3-10-15	
Methylene Chloride	ND	0.31	EPA 8260C	3-10-15	3-10-15	
(trans) 1,2-Dichloroethene	ND	0.063	EPA 8260C	3-10-15	3-10-15	
Methyl t-Butyl Ether	ND	0.063	EPA 8260C	3-10-15	3-10-15	
1,1-Dichloroethane	ND	0.063	EPA 8260C	3-10-15	3-10-15	
Vinyl Acetate	ND	0.31	EPA 8260C	3-10-15	3-10-15	
2,2-Dichloropropane	ND	0.063	EPA 8260C	3-10-15	3-10-15	
(cis) 1,2-Dichloroethene	ND	0.063	EPA 8260C	3-10-15	3-10-15	
2-Butanone	ND	0.31	EPA 8260C	3-10-15	3-10-15	
Bromochloromethane	ND	0.063	EPA 8260C	3-10-15	3-10-15	
Chloroform	ND	0.063	EPA 8260C	3-10-15	3-10-15	
1,1,1-Trichloroethane	ND	0.063	EPA 8260C	3-10-15	3-10-15	
Carbon Tetrachloride	ND	0.063	EPA 8260C	3-10-15	3-10-15	
1,1-Dichloropropene	ND	0.063	EPA 8260C	3-10-15	3-10-15	
Benzene	ND	0.063	EPA 8260C	3-10-15	3-10-15	
1,2-Dichloroethane	ND	0.063	EPA 8260C	3-10-15	3-10-15	
Trichloroethene	ND	0.063	EPA 8260C	3-10-15	3-10-15	
1,2-Dichloropropane	ND	0.063	EPA 8260C	3-10-15	3-10-15	
Dibromomethane	ND	0.063	EPA 8260C	3-10-15	3-10-15	
Bromodichloromethane	ND	0.063	EPA 8260C	3-10-15	3-10-15	
2-Chloroethyl Vinyl Ether	ND	0.31	EPA 8260C	3-10-15	3-10-15	
(cis) 1,3-Dichloropropene	ND	0.063	EPA 8260C	3-10-15	3-10-15	
Methyl Isobutyl Ketone	ND	0.31	EPA 8260C	3-10-15	3-10-15	
Toluene	ND	0.31	EPA 8260C	3-10-15	3-10-15	
(trans) 1,3-Dichloropropene	ND	0.063	EPA 8260C	3-10-15	3-10-15	

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Date of Report: March 11, 2015
Samples Submitted: March 10, 2015
Laboratory Reference: 1503-080
Project: 14967

VOLATILES EPA 8260C
Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank-soil-B1-B**					
Laboratory ID:	03-080-01					
1,1,2-Trichloroethane	ND	0.063	EPA 8260C	3-10-15	3-10-15	
Tetrachloroethene	ND	0.063	EPA 8260C	3-10-15	3-10-15	
1,3-Dichloropropane	ND	0.063	EPA 8260C	3-10-15	3-10-15	
2-Hexanone	ND	0.31	EPA 8260C	3-10-15	3-10-15	
Dibromochloromethane	ND	0.063	EPA 8260C	3-10-15	3-10-15	
1,2-Dibromoethane	ND	0.063	EPA 8260C	3-10-15	3-10-15	
Chlorobenzene	ND	0.063	EPA 8260C	3-10-15	3-10-15	
1,1,1,2-Tetrachloroethane	ND	0.063	EPA 8260C	3-10-15	3-10-15	
Ethylbenzene	0.29	0.063	EPA 8260C	3-10-15	3-10-15	
m,p-Xylene	1.2	0.13	EPA 8260C	3-10-15	3-10-15	
o-Xylene	0.17	0.063	EPA 8260C	3-10-15	3-10-15	
Styrene	ND	0.063	EPA 8260C	3-10-15	3-10-15	
Bromoform	ND	0.063	EPA 8260C	3-10-15	3-10-15	
Isopropylbenzene	0.18	0.063	EPA 8260C	3-10-15	3-10-15	
Bromobenzene	ND	0.063	EPA 8260C	3-10-15	3-10-15	
1,1,2,2-Tetrachloroethane	ND	0.063	EPA 8260C	3-10-15	3-10-15	
1,2,3-Trichloropropane	ND	0.063	EPA 8260C	3-10-15	3-10-15	
n-Propylbenzene	0.27	0.063	EPA 8260C	3-10-15	3-10-15	
2-Chlorotoluene	ND	0.063	EPA 8260C	3-10-15	3-10-15	
4-Chlorotoluene	ND	0.063	EPA 8260C	3-10-15	3-10-15	
1,3,5-Trimethylbenzene	ND	0.063	EPA 8260C	3-10-15	3-10-15	
tert-Butylbenzene	ND	0.063	EPA 8260C	3-10-15	3-10-15	
1,2,4-Trimethylbenzene	0.10	0.063	EPA 8260C	3-10-15	3-10-15	
sec-Butylbenzene	0.074	0.063	EPA 8260C	3-10-15	3-10-15	
1,3-Dichlorobenzene	ND	0.063	EPA 8260C	3-10-15	3-10-15	
p-Isopropyltoluene	ND	0.063	EPA 8260C	3-10-15	3-10-15	
1,4-Dichlorobenzene	ND	0.063	EPA 8260C	3-10-15	3-10-15	
1,2-Dichlorobenzene	ND	0.063	EPA 8260C	3-10-15	3-10-15	
n-Butylbenzene	ND	0.063	EPA 8260C	3-10-15	3-10-15	
1,2-Dibromo-3-chloropropane	ND	0.31	EPA 8260C	3-10-15	3-10-15	
1,2,4-Trichlorobenzene	ND	0.063	EPA 8260C	3-10-15	3-10-15	
Hexachlorobutadiene	ND	0.31	EPA 8260C	3-10-15	3-10-15	
Naphthalene	0.38	0.063	EPA 8260C	3-10-15	3-10-15	
1,2,3-Trichlorobenzene	ND	0.063	EPA 8260C	3-10-15	3-10-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***110***	***76-131***				
Toluene-d8	***103***	***82-129***				
4-Bromofluorobenzene	***117***	***79-126***				

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Date of Report: March 11, 2015
Samples Submitted: March 10, 2015
Laboratory Reference: 1503-080
Project: 14967

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0310S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
Chloromethane	ND	0.0050	EPA 8260C	3-10-15	3-10-15	
Vinyl Chloride	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
Bromomethane	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
Chloroethane	ND	0.0050	EPA 8260C	3-10-15	3-10-15	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
Acetone	ND	0.0050	EPA 8260C	3-10-15	3-10-15	
Iodomethane	ND	0.0050	EPA 8260C	3-10-15	3-10-15	
Carbon Disulfide	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
Methylene Chloride	ND	0.0050	EPA 8260C	3-10-15	3-10-15	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
Vinyl Acetate	ND	0.0050	EPA 8260C	3-10-15	3-10-15	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
2-Butanone	ND	0.0050	EPA 8260C	3-10-15	3-10-15	
Bromochloromethane	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
Chloroform	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
Benzene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
Trichloroethene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
Dibromomethane	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
Bromodichloromethane	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	3-10-15	3-10-15	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260C	3-10-15	3-10-15	
Toluene	ND	0.0050	EPA 8260C	3-10-15	3-10-15	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	

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Date of Report: March 11, 2015
Samples Submitted: March 10, 2015
Laboratory Reference: 1503-080
Project: 14967

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0310S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
Tetrachloroethene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
2-Hexanone	ND	0.0050	EPA 8260C	3-10-15	3-10-15	
Dibromochloromethane	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
Chlorobenzene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
Ethylbenzene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
m,p-Xylene	ND	0.0020	EPA 8260C	3-10-15	3-10-15	
o-Xylene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
Styrene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
Bromoform	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
Isopropylbenzene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
Bromobenzene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
n-Propylbenzene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
2-Chlorotoluene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
4-Chlorotoluene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
tert-Butylbenzene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
sec-Butylbenzene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
p-Isopropyltoluene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
n-Butylbenzene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	3-10-15	3-10-15	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	3-10-15	3-10-15	
Naphthalene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	3-10-15	3-10-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***102***	***76-131***				
Toluene-d8	***96***	***82-129***				
4-Bromofluorobenzene	***99***	***79-126***				

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Date of Report: March 11, 2015
Samples Submitted: March 10, 2015
Laboratory Reference: 1503-080
Project: 14967

VOLATILES EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0310S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0460**	**0.0426**	0.0500	0.0500	92	85	66-129	8	15	
Benzene	**0.0466**	**0.0425**	0.0500	0.0500	93	85	71-123	9	15	
Trichloroethene	**0.0511**	**0.0454**	0.0500	0.0500	102	91	75-115	12	15	
Toluene	**0.0477**	**0.0448**	0.0500	0.0500	95	90	75-120	6	15	
Chlorobenzene	**0.0472**	**0.0421**	0.0500	0.0500	94	84	75-121	11	15	
Surrogate:										
Dibromofluoromethane					***100***	***103***	***76-131***			
Toluene-d8					***93***	***97***	***82-129***			
4-Bromofluorobenzene					***98***	***100***	***79-126***			

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Date of Report: March 11, 2015
Samples Submitted: March 10, 2015
Laboratory Reference: 1503-080
Project: 14967

% MOISTURE

Date Analyzed: 3-10-15

Client ID	Lab ID	% Moisture
Tank-soil-B1-B	03-080-01	13

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company:

Project Number: Former Kelly Moore UST

Project Name: 14967

Project Manager: Tasya Gray

Sampled by: Nathan Morley

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Days
- ☐ 3 Days
- ☐ Standard (7 Days) (TPH analysis 5 Days)
- ☒ RUSH (other)

Laboratory Number: 03-080

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
1	Tank-soil-B1-B	3/9/15	1400	soil	2					X												X

	Signature	Company	Date	Time
Relinquished		AMEC	3/10/15	0815
Received		Spdy	"	956
Relinquished		"	"	1045
Received		OSE	3/10/15	1045
Relinquished				
Received				

Comments/Special Instructions

Reviewed/Date

Reviewed/Date

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 24, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 1503-144

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 16, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 24, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-144
Project: 14697

Case Narrative

Samples were collected on March 13, 2015 and received by the laboratory on March 16, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX Analysis

Per EPA method 5035A, samples were received by the laboratory in pre-weighed 40 ml VOA vials preserved with either Methanol or Sodium Bisulfate.

The chromatograms for samples B7-piping-B5-5.0 and B7-piping-S1B-4.0 are similar to mineral spirits with diesel.

cPAHs EPA 8270D/SIM Analysis

The method blank and a matrix spike had one surrogate recovery out of control limits. This is within allowance of our standard operating procedure as long as the recovery is above 10%.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

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Date of Report: March 24, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-144
Project: 14697

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-piping-B5-5.0**					
Laboratory ID:	03-144-01					
Benzene	**0.13**	0.023	EPA 8021B	3-16-15	3-18-15	
Toluene	**ND**	0.12	EPA 8021B	3-16-15	3-18-15	
Ethyl Benzene	**0.27**	0.12	EPA 8021B	3-16-15	3-18-15	
m,p-Xylene	**1.4**	0.12	EPA 8021B	3-16-15	3-18-15	
o-Xylene	**ND**	0.12	EPA 8021B	3-16-15	3-18-15	
Gasoline	**1100**	120	NWTPH-Gx	3-16-15	3-17-15	Z
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***99***	***68-123***				
Client ID:	**B7-piping-S1B-4.0**					
Laboratory ID:	03-144-02					
Benzene	**0.27**	0.047	EPA 8021B	3-16-15	3-17-15	
Toluene	**ND**	0.23	EPA 8021B	3-16-15	3-17-15	
Ethyl Benzene	**0.69**	0.23	EPA 8021B	3-16-15	3-17-15	
m,p-Xylene	**3.6**	0.23	EPA 8021B	3-16-15	3-17-15	
o-Xylene	**ND**	1.2	EPA 8021B	3-16-15	3-17-15	U1
Gasoline	**3900**	470	NWTPH-Gx	3-16-15	3-20-15	Z
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***106***	***68-123***				

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Date of Report: March 24, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-144
Project: 14697

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0316S1					
Benzene	**ND**	0.020	EPA 8021B	3-16-15	3-16-15	
Toluene	**ND**	0.050	EPA 8021B	3-16-15	3-16-15	
Ethyl Benzene	**ND**	0.050	EPA 8021B	3-16-15	3-16-15	
m,p-Xylene	**ND**	0.050	EPA 8021B	3-16-15	3-16-15	
o-Xylene	**ND**	0.050	EPA 8021B	3-16-15	3-16-15	
Gasoline	**ND**	5.0	NWTPH-Gx	3-16-15	3-16-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***89***	***68-123***				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-151-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						***98***	***99***	***68-123***			
SPIKE BLANKS											
Laboratory ID:	SB0316S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.889**	**0.920**	1.00	1.00		**89**	**92**	75-117	3	13	
Toluene	**0.920**	**0.936**	1.00	1.00		**92**	**94**	78-118	2	12	
Ethyl Benzene	**0.915**	**0.928**	1.00	1.00		**92**	**93**	78-118	1	12	
m,p-Xylene	**0.941**	**0.939**	1.00	1.00		**94**	**94**	78-121	0	13	
o-Xylene	**0.923**	**0.925**	1.00	1.00		**92**	**93**	77-119	0	13	
Surrogate:											
Fluorobenzene						***87***	***91***	***68-123***			

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Date of Report: March 24, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-144
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-piping-B5-5.0**					
Laboratory ID:	03-144-01					
Diesel Fuel #2	**7800**	160	NWTPH-Dx	3-17-15	3-19-15	
Lube Oil Range Organics	**ND**	970	NWTPH-Dx	3-17-15	3-19-15	U1
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***87***	***50-150***				
Client ID:	**B7-piping-S1B-4.0**					
Laboratory ID:	03-144-02					
Diesel Fuel #2	**11000**	140	NWTPH-Dx	3-17-15	3-19-15	
Lube Oil Range Organics	**ND**	1300	NWTPH-Dx	3-17-15	3-19-15	U1
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***92***	***50-150***				

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Date of Report: March 24, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-144
Project: 14697

NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0317S2					
Diesel Range Organics	**ND**	25	NWTPH-Dx	3-17-15	3-17-15	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	3-17-15	3-17-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***94***	***50-150***				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-115-01										
	ORIG	DUP									
Diesel Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Surrogate:											
o-Terphenyl						***92***	***86***	***50-150***			

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Date of Report: March 24, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-144
Project: 14697

TOTAL METALS
EPA 6010C/7471B

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	03-144-01					
Client ID:	**B7-piping-B5-5.0**					
Arsenic	**ND**	13	6010C	3-17-17	3-17-15	
Barium	**49**	3.2	6010C	3-17-17	3-17-15	
Cadmium	**ND**	0.65	6010C	3-17-17	3-17-15	
Chromium	**8.4**	0.65	6010C	3-17-17	3-17-15	
Lead	**ND**	6.5	6010C	3-17-17	3-17-15	
Mercury	**ND**	0.32	7471B	3-17-17	3-17-15	
Selenium	**ND**	13	6010C	3-17-17	3-17-15	
Silver	**ND**	1.3	6010C	3-17-17	3-17-15	
Lab ID:	03-144-02					
Client ID:	**B7-piping-S1B-4.0**					
Arsenic	**ND**	11	6010C	3-17-17	3-17-15	
Barium	**33**	2.7	6010C	3-17-17	3-17-15	
Cadmium	**ND**	0.54	6010C	3-17-17	3-17-15	
Chromium	**9.5**	0.54	6010C	3-17-17	3-17-15	
Lead	**ND**	5.4	6010C	3-17-17	3-17-15	
Mercury	**ND**	0.27	7471B	3-17-17	3-17-15	
Selenium	**ND**	11	6010C	3-17-17	3-17-15	
Silver	**ND**	1.1	6010C	3-17-17	3-17-15	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 24, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-144
Project: 14697

TOTAL METALS
EPA 6010C/7471B
METHOD BLANK QUALITY CONTROL

Date Extracted:	3-17-17
Date Analyzed:	3-17-15
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0317SM1&MB0317S1

Analyte	Method	Result	PQL
Arsenic	6010C	**ND**	10
Barium	6010C	**ND**	2.5
Cadmium	6010C	**ND**	0.50
Chromium	6010C	**ND**	0.50
Lead	6010C	**ND**	5.0
Mercury	7471B	**ND**	0.25
Selenium	6010C	**ND**	10
Silver	6010C	**ND**	1.0

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Date of Report: March 24, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-144
Project: 14697

TOTAL METALS
EPA 6010C/7471B
DUPLICATE QUALITY CONTROL

Date Extracted: 3-17-17
Date Analyzed: 3-17-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 03-144-02

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Barium	**30.6**	**30.7**	0	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**8.80**	**8.45**	4	0.50	
Lead	**ND**	**ND**	NA	5.0	
Mercury	**ND**	**ND**	NA	0.25	
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	1.0	

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Date of Report: March 24, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-144
Project: 14697

TOTAL METALS
EPA 6010C/7471B
MS/MSD QUALITY CONTROL

Date Extracted: 3-17-17
Date Analyzed: 3-17-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 03-144-02

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**98.3**	98	**96.6**	97	2	
Barium	100	**136**	106	**129**	99	5	
Cadmium	50.0	**49.1**	98	**47.7**	95	3	
Chromium	100	**108**	99	**105**	96	3	
Lead	250	**248**	99	**244**	97	2	
Mercury	0.500	**0.513**	103	**0.523**	105	2	
Selenium	100	**98.4**	98	**94.0**	94	5	
Silver	25.0	**25.0**	100	**24.4**	98	2	

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Date of Report: March 24, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-144
Project: 14697

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-piping-B5-5.0**					
Laboratory ID:	03-144-01					
Benzo[a]anthracene	**4.5**	0.086	EPA 8270D/SIM	3-19-15	3-23-15	
Chrysene	**3.6**	0.086	EPA 8270D/SIM	3-19-15	3-23-15	
Benzo[b]fluoranthene	**3.8**	0.086	EPA 8270D/SIM	3-19-15	3-23-15	
Benzo(j,k)fluoranthene	**1.5**	0.086	EPA 8270D/SIM	3-19-15	3-23-15	
Benzo[a]pyrene	**3.7**	0.086	EPA 8270D/SIM	3-19-15	3-23-15	
Indeno(1,2,3-c,d)pyrene	**1.3**	0.086	EPA 8270D/SIM	3-19-15	3-23-15	
Dibenz[a,h]anthracene	**0.42**	0.086	EPA 8270D/SIM	3-19-15	3-23-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***97***	***32 - 114***				
Pyrene-d10	***92***	***33 - 121***				
Terphenyl-d14	***88***	***31 - 116***				

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Date of Report: March 24, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-144
Project: 14697

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-piping-S1B-4.0**					
Laboratory ID:	03-144-02					
Benzo[a]anthracene	**0.45**	0.072	EPA 8270D/SIM	3-19-15	3-23-15	
Chrysene	**0.30**	0.072	EPA 8270D/SIM	3-19-15	3-23-15	
Benzo[b]fluoranthene	**0.29**	0.072	EPA 8270D/SIM	3-19-15	3-23-15	
Benzo(j,k)fluoranthene	**0.16**	0.072	EPA 8270D/SIM	3-19-15	3-23-15	
Benzo[a]pyrene	**0.28**	0.072	EPA 8270D/SIM	3-19-15	3-23-15	
Indeno(1,2,3-c,d)pyrene	**0.095**	0.072	EPA 8270D/SIM	3-19-15	3-23-15	
Dibenz[a,h]anthracene	**ND**	0.072	EPA 8270D/SIM	3-19-15	3-23-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***95***	***32 - 114***				
Pyrene-d10	***90***	***33 - 121***				
Terphenyl-d14	***87***	***31 - 116***				

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Date of Report: March 24, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-144
Project: 14697

cPAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0319S1					
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	3-19-15	3-20-15	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	3-19-15	3-20-15	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	3-19-15	3-20-15	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	3-19-15	3-20-15	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	3-19-15	3-20-15	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270D/SIM	3-19-15	3-20-15	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	3-19-15	3-20-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***115***	***32 - 114***				Q
Pyrene-d10	***84***	***33 - 121***				
Terphenyl-d14	***81***	***31 - 116***				

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Date of Report: March 24, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-144
Project: 14697

cPAHs EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-107-01										
	MS	MSD	MS	MSD		MS	MSD				
Benzo[a]anthracene	**0.0826**	**0.0682**	0.0833	0.0833	ND	99	82	42 - 134	19	27	
Chrysene	**0.0694**	**0.0589**	0.0833	0.0833	ND	83	71	45 - 114	16	27	
Benzo[b]fluoranthene	**0.0726**	**0.0624**	0.0833	0.0833	ND	87	75	38 - 131	15	33	
Benzo(j,k)fluoranthene	**0.0703**	**0.0616**	0.0833	0.0833	ND	84	74	44 - 114	13	34	
Benzo[a]pyrene	**0.0808**	**0.0665**	0.0833	0.0833	ND	97	80	40 - 136	19	29	
Indeno(1,2,3-c,d)pyrene	**0.0710**	**0.0591**	0.0833	0.0833	ND	85	71	45 - 126	18	30	
Dibenz[a,h]anthracene	**0.0713**	**0.0594**	0.0833	0.0833	ND	86	71	46 - 121	18	28	
Surrogate:											
2-Fluorobiphenyl						***120***	***91***	***32 - 114***			Q
Pyrene-d10						***82***	***69***	***33 - 121***			
Terphenyl-d14						***78***	***66***	***31 - 116***			

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Date of Report: March 24, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-144
Project: 14697

% MOISTURE

Date Analyzed: 3-17-15

Client ID	Lab ID	% Moisture
B7-piping-B5-5.0	03-144-01	23
B7-piping-S1B-4.0	03-144-02	8

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z - The sample chromatograms are similar to mineral spirits with diesel.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC
Project Number: Kelly-Moore Soil Ex
Project Name: 14697
Project Manager: Tasha Gray
Sampled by: Nathan Moxley

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 03-144

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	cPAHs					% Moisture
1	B7-piping-B5-5.0	03/13/15	0750	Soil	2		X		X									X				X					X
2	B7-piping-SIB-4.0	↓	0755	↓	2		X		X									X				X					X

	Signature	Company	Date	Time
Relinquished		AMEC	3/15/15	2040
Received		GSR	3/16/15	123
Relinquished		GSR	3/16/15	1120
Received		Fed Ex	3/16/15	1121
Relinquished				
Received				

Comments/Special Instructions

Reviewed/Date

Reviewed/Date

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 20, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 1503-035

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 5, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 20, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-035
Project: 14697

Case Narrative

Samples were collected on March 4, 2015 and received by the laboratory on March 5, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx Analysis

The chromatograms for samples KM-45-5.0-9.0, KM-46-5.0-9.0, KM-47-5.0-9.0, KM-48-5.0-9.0 and KM-50-5.0-9.0 are similar to mineral spirits.

The chromatogram for sample KM-49-5.0-9.0 is not similar to that of a typical gas.

The chromatograms for samples KM-51-5.0-9.0 and KM-52-5.0-9.0 are similar to mineral spirits with diesel.

Sulfate ASTM D516-07 Analysis

Sample KM-44.5.0-9.0 (03-035-01) PQL was increased due to sample interference.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

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Date of Report: March 20, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-035
Project: 14697

NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-44-5.0-9.0**					
Laboratory ID:	03-035-01					
Gasoline	**3500**	100	NWTPH-Gx	3-9-15	3-9-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*90*	*71-113*				
Client ID:	**KM-45-5.0-9.0**					
Laboratory ID:	03-035-02					
Gasoline	**3500**	400	NWTPH-Gx	3-11-15	3-11-15	Z1
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*82*	*71-113*				
Client ID:	**KM-46-5.0-9.0**					
Laboratory ID:	03-035-03					
Gasoline	**14000**	2000	NWTPH-Gx	3-11-15	3-11-15	Z1
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*80*	*71-113*				
Client ID:	**KM-47-5.0-9.0**					
Laboratory ID:	03-035-04					
Gasoline	**2100**	400	NWTPH-Gx	3-11-15	3-11-15	Z1
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*71-113*				
Client ID:	**KM-48-5.0-9.0**					
Laboratory ID:	03-035-05					
Gasoline	**4600**	400	NWTPH-Gx	3-11-15	3-11-15	Z1
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*81*	*71-113*				
Client ID:	**KM-49-5.0-9.0**					
Laboratory ID:	03-035-06					
Gasoline	**26000**	5000	NWTPH-Gx	3-11-15	3-11-15	T
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*88*	*71-113*				
Client ID:	**KM-50-5.0-9.0**					
Laboratory ID:	03-035-07					
Gasoline	**3100**	400	NWTPH-Gx	3-11-15	3-11-15	Z1
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*86*	*71-113*				
Client ID:	**KM-51-5.0-9.0**					
Laboratory ID:	03-035-08					
Gasoline	**4700**	400	NWTPH-Gx	3-11-15	3-11-15	Z2
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*83*	*71-113*				

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Date of Report: March 20, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-035
Project: 14697

NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	**KM-52-5.0-9.0**					
Laboratory ID:	03-035-09					
Gasoline	**1300**	400	NWTPH-Gx	3-11-15	3-11-15	Z2
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*87*	*71-113*				
Client ID:	**trip blanks**					
Laboratory ID:	03-035-10					
Gasoline	**ND**	100	NWTPH-Gx	3-9-15	3-9-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*71-113*				

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Date of Report: March 20, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-035
Project: 14697

NWTPH-Gx
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0309W2					
Gasoline	**ND**	100	NWTPH-Gx	3-9-15	3-9-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*71-113*				
Laboratory ID:	MB0311W1					
Gasoline	**ND**	100	NWTPH-Gx	3-11-15	3-11-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*71-113*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-032-01										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*92*	*93*	*71-113*			

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Date of Report: March 20, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-035
Project: 14697

TOTAL ORGANIC CARBON
SM 5310B

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-44-5.0-9.0**					
Laboratory ID:	03-035-01					
Total Organic Carbon	**4.4**	1.0	SM 5310B	3-11-15	3-11-15	
Client ID:	**KM-52-5.0-9.0**					
Laboratory ID:	03-035-09					
Total Organic Carbon	**19**	1.0	SM 5310B	3-11-15	3-11-15	

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Date of Report: March 20, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-035
Project: 14697

TOTAL ORGANIC CARBON
SM 5310B
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0311W1					
Total Organic Carbon	**ND**	1.0	SM 5310B	3-11-15	3-11-15	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	03-054-02								
	ORIG	DUP							
Total Organic Carbon	**17.0**	**17.7**	NA	NA	NA	NA	4	15	
MATRIX SPIKE									
Laboratory ID:	03-054-02								
	MS		MS		MS				
Total Organic Carbon	**27.1**		10.0	17.0	101	80-122	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB0311W1								
	SB		SB		SB				
Total Organic Carbon	**10.6**		10.0	NA	106	84-115	NA	NA	

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Date of Report: March 20, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-035
Project: 14697

TOTAL METALS
EPA 6010C

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	03-035-01					
Client ID:	**KM-44-5.0-9.0**					
Iron	**30000**	250	6010C	3-12-15	3-12-15	
Manganese	**440**	10	6010C	3-12-15	3-12-15	
Lab ID:	03-035-09					
Client ID:	**KM-52-5.0-9.0**					
Iron	**44000**	250	6010C	3-12-15	3-12-15	
Manganese	**1800**	10	6010C	3-12-15	3-12-15	

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Date of Report: March 20, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-035
Project: 14697

TOTAL METALS
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Extracted:	3-12-15
Date Analyzed:	3-12-15
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0312WH1

Analyte	Method	Result	PQL
Iron	6010C	**ND**	50
Manganese	6010C	**ND**	10

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Date of Report: March 20, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-035
Project: 14697

TOTAL METALS
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 3-12-15
Date Analyzed: 3-12-15

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-049-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Iron	**ND**	**ND**	NA	50	
Manganese	**ND**	**ND**	NA	10	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 20, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-035
Project: 14697

TOTAL METALS
EPA 6010C
MS/MSD QUALITY CONTROL

Date Extracted: 3-12-15
Date Analyzed: 3-12-15

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-049-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Iron	20000	**20000**	100	**18700**	93	7	
Manganese	1000	**1120**	112	**1050**	105	6	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 20, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-035
Project: 14697

DISSOLVED METALS
EPA 6010C

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	03-035-01					
Client ID:	**KM-44-5.0-9.0**					
Iron	**24000**	56	6010C		3-12-15	
Manganese	**380**	11	6010C		3-12-15	
Lab ID:	03-035-09					
Client ID:	**KM-52-5.0-9.0**					
Iron	**42000**	250	6010C		3-12-15	
Manganese	**1700**	11	6010C		3-12-15	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 20, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-035
Project: 14697

DISSOLVED METALS
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Analyzed: 3-12-15

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0312D1

Analyte	Method	Result	PQL
Iron	6010C	**ND**	56
Manganese	6010C	**ND**	11

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 20, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-035
Project: 14697

DISSOLVED METALS
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Analyzed: 3-12-15

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-035-09

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Iron	**42300**	**42400**	0	250	
Manganese	**1860**	**1840**	1	50	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 20, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-035
Project: 14697

DISSOLVED METALS
EPA 6010C
MS/MSD QUALITY CONTROL

Date Analyzed: 3-12-15

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-035-09

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Iron	100000	**134000**	92	**140000**	97	4	
Manganese	5000	**7040**	104	**7450**	112	6	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 20, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-035
Project: 14697

NITRATE (as Nitrogen)
EPA 353.2

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-44-5.0-9.0**					
Laboratory ID:	03-035-01					
Nitrate	**ND**	0.050	EPA 353.2	3-9-15	3-9-15	
Client ID:	**KM-52-5.0-9.0**					
Laboratory ID:	03-035-09					
Nitrate	**0.16**	0.050	EPA 353.2	3-9-15	3-9-15	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 20, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-035
Project: 14697

NITRATE (as Nitrogen)
EPA 353.2
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0309W1					
Nitrate	**ND**	0.050	EPA 353.2	3-9-15	3-9-15	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-026-01							
	ORIG DUP							
Nitrate	**0.318** **0.331**	NA	NA	NA	NA	4	13	
MATRIX SPIKE								
Laboratory ID:	03-026-01							
	MS	MS		MS				
Nitrate	**2.21**	2.00	0.318	95	90-123	NA	NA	
SPIKE BLANK								
Laboratory ID:	SB0309W1							
	SB	SB		SB				
Nitrate	**2.14**	2.00	NA	107	88-121	NA	NA	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 20, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-035
Project: 14697

SULFATE
ASTM D516-07

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-44-5.0-9.0**					
Laboratory ID:	03-035-01					
Sulfate	**ND**	10	ASTM D516-07	3-11-15	3-11-15	
Client ID:	**KM-52-5.0-9.0**					
Laboratory ID:	03-035-09					
Sulfate	**110**	50	ASTM D516-07	3-11-15	3-11-15	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 20, 2015
Samples Submitted: March 5, 2015
Laboratory Reference: 1503-035
Project: 14697

SULFATE
ASTM D516-07
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0311W1					
Sulfate	**ND**	5.0	ASTM D516-07	3-11-15	3-11-15	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-074-01							
	ORIG DUP							
Sulfate	**8.00** **7.76**	NA	NA	NA	NA	3	10	
MATRIX SPIKE								
Laboratory ID:	03-074-01							
	MS	MS		MS				
Sulfate	**18.8**	10.0	8.00	108	82-121	NA	NA	
SPIKE BLANK								
Laboratory ID:	SB0311W1							
	SB	SB		SB				
Sulfate	**9.81**	10.0	NA	98	90-114	NA	NA	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical gas.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z1 -The sample chromatogram is similar to mineral spirits.

Z2- The sample chromatogram is similar to mineral spirits with diesel.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Am Test Inc.
13600 NE 126TH PL
Suite C
Kirkland, WA 98034
(425) 885-1664

Professional Analytical Services

Mar 20 2015
On-Site Environmental
14648 NE 95th ST
Redmond, WA 98052
Attention: David Baumeister

Dear David Baumeister:

Enclosed please find the analytical data for your project.

The following is a cross correlation of client and laboratory identifications for your convenience.

CLIENT ID	MATRIX	AMTEST ID	TEST
KM-44-5.0-9.0	Water	15-A003009	DEM
KM-52-5.0-9.0	Water	15-A003010	DEM

Your samples were received on Friday, March 6, 2015. At the time of receipt, the samples were logged in and properly maintained prior to the subsequent analysis.

The analytical procedures used at AmTest are well documented and are typically derived from the protocols of the EPA, USDA, FDA or the Army Corps of Engineers.

Following the analytical data you will find the Quality Control (QC) results.

Please note that the detection limits that are listed in the body of the report refer to the Practical Quantitation Limits (PQL's), as opposed to the Method Detection Limits (MDL's).

If you should have any questions pertaining to the data package, please feel free to conact me.

Sincerely,



Aaron W. Young
Laboratory Manager

Project #: 14697
PO Number: 03-035

BACT = Bacteriological
CONV = Conventionals
MET = Metals
ORG = Organics
NUT=Nutrients
DEM=Demand
MIN=Minerals

Am Test Inc.
13600 NE 126TH PL
Suite C
Kirkland, WA 98034
(425) 885-1664
www.amtestlab.com

Professional Analytical Services

ANALYSIS REPORT

On-Site Environmental
14648 NE 95th ST
Redmond, WA 98052
Attention: David Baumeister
Project #: 14697
PO Number: 03-035
All results reported on an as received basis.

Date Received: 03/06/15
Date Reported: 3/20/15

AMTEST Identification Number **15-A003009**
Client Identification **KM-44-5.0-9.0**
Sampling Date **03/04/15, 09:30**

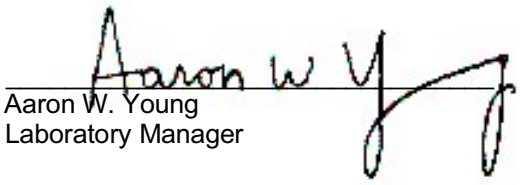
Demand

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Chemical Oxygen Demand	38.	mg/l		10	EPA 410.4	BP	03/12/15

AMTEST Identification Number **15-A003010**
Client Identification **KM-52-5.0-9.0**
Sampling Date **03/04/15, 17:00**

Demand

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Chemical Oxygen Demand	96.	mg/l		10	EPA 410.4	BP	03/12/15



Aaron W. Young
Laboratory Manager

Am Test Inc.
13600 NE 126th PL
Suite C
Kirkland, WA, 98034
(425) 885-1664
www.amtestlab.com

Professional Analytical Services

QC Summary for sample numbers: 15-A003009 to 15-A003010

MATRIX SPIKES

SAMPLE #	ANALYTE	UNITS	SAMPLE VALUE	SMPL+ SPK	SPK AMT	RECOVERY
15-A002793	Chemical Oxygen Demand	mg/l	< 10	45.	50.	90.00 %
15-A003212	Chemical Oxygen Demand	mg/l	< 10	51.	50.	102.00 %

STANDARD REFERENCE MATERIALS

ANALYTE	UNITS	TRUE VALUE	MEASURED VALUE	RECOVERY
Chemical Oxygen Demand	mg/l	100	110	110. %

BLANKS

ANALYTE	UNITS	RESULT
Chemical Oxygen Demand	mg/l	< 10

OnSite Environmental Inc.

14648 NE 95th Street, Redmond, WA 98052 · (425) 883-3881

Laboratory Reference #: 03-035

Subcontract Laboratory: AmTest Laboratories

Turnaround Request:

Project Manager: David Baumeister

Attention: Aaron Young

1 Day 2 Day 3 Day

email: dbaumeister@onsite-env.com

13600 NE 126th Pl Kirkland, WA 98034

Standard

Project Number: 14697

Phone Number: (425) 885-1664

Other: _____

Project Name: _____

Date/Time: _____

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	Requested Analysis
3009	KM-44-5.0-9.0	3/4/15	0930	W	1	COD
3010	KM-52-5.0-9.0	↓	1700	↓	↓	↓

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished by:		Client Ea	3/6/15	1445	
Received by:		AmTest	3/6/15	1915	T: 2.6°C
Relinquished by:					
Received by:					
Relinquished by:					
Received by:					

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Amec
Project Number: 14697 pre-injection GW samples
Project Name: Former Kelly-Moore
Project Manager: Tasya Gray
Sampled by: Nathan Moxley

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 03-035

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	TOC	COD	Total Fe/Mn	Diss. Fe/Mn	Nitrate + Sulfate	% Moisture
1	KM-44-5.0-9.0	3/4/15	0930	Water	9			X														X	X	X	X	X	
2	KM-45-5.0-9.0	↓	1040	↓	4			X																			
3	KM-46-5.0-9.0		1140		4			X																			
4	KM-47-~~8.0-12.0~~ NM 5.0-9.0		1245		4			X																			
5	KM-48-5.0-9.0		1400		4			X																			
6	KM-49-5.0-9.0		1440		4			X																			
7	KM-50-5.0-9.0		1520		4			X																			
8	KM-51-5.0-9.0		1600		4			X																			
9	KM-52-5.0-9.0	↓	1700	↓	9			X														X	X	X	X	X	
10	trip blanks	—	—	↓	3			X																			

	Signature	Company	Date	Time
Relinquished		Amec Foster Wheeler	3/5/15	
Received		SP-ODY	3/5/15	1207
Relinquished		SP-ODY	3/5/15	1330
Received		ODE	3/5/15	1330
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 16, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 1503-083

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 10, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 16, 2015
Samples Submitted: March 10, 2015
Laboratory Reference: 1503-083
Project: 14697

Case Narrative

Samples were collected on March 10, 2015 and received by the laboratory on March 10, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 16, 2015
Samples Submitted: March 10, 2015
Laboratory Reference: 1503-083
Project: 14697

NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-03**					
Laboratory ID:	03-083-01					
Gasoline	**1100**	400	NWTPH-Gx	3-13-15	3-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*76*	*71-113*				
Client ID:	**KMW-04**					
Laboratory ID:	03-083-02					
Gasoline	**27000**	400	NWTPH-Gx	3-13-15	3-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*71-113*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 16, 2015
Samples Submitted: March 10, 2015
Laboratory Reference: 1503-083
Project: 14697

NWTPH-Gx
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0313W1					
Gasoline	**ND**	100	NWTPH-Gx	3-13-15	3-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*75*	*71-113*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-074-01										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*76*	*77*	*71-113*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Amec
Project Number: 14697
Project Name: KM - pre-injection GW monitoring
Project Manager: Tasya Gray
Sampled by: Nathan Moxley

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Days ☐ 3 Days
- ☒ Standard (7 Days) (TPH analysis 5 Days)
- ☐ _____ (other)

Laboratory Number: 03-083

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
1	KMW-03	3/10/15	1000	water	3			X														
2	KMW-04	3/10/15	1050	"	3			X														

	Signature	Company	Date	Time
Relinquished		Amec	3/10/15	1200
Received		GSET	3/10/15	1230
Relinquished		GSET	3/10/15	1413
Received		OSE	3/10/15	1413
Relinquished				
Received				

Comments/Special Instructions

Reviewed/Date

Reviewed/Date

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

Memo

To: Natasya Gray
From: Crystal Neirby
Tel: (206) 342-1760
Fax: (206) 342-1761
Date: July 7, 2015

Project: 16110
cc: Project File

Subject: **Kelly Moore Paints – PCB Sampling – February 2015**
Summary Data Quality Review – SDGs 1502-249, 1502-249B, 1503-068, 1503-068B, 1503-143, 1503-143B, 1503-274, and 1503-283

This memorandum presents a summary data quality review for analyses of 112 primary individual and composite soil samples and three soil field duplicates collected between February 26 and March 25, 2015. The samples were submitted to OnSite Environmental Inc. (OnSite), a Washington State Department of Ecology (Ecology)-accredited laboratory, located in Redmond, Washington. The samples were analyzed for the following analytes:

- Polychlorinated biphenyls (PCBs) by U.S. Environmental Protection Agency (EPA) Method 8082.

The samples associated with each sample delivery group (SDG) and a summary of the data quality review are presented in Table 1, attached. Some samples were submitted and were placed on hold pending results of associated samples. Only the samples analyzed by the laboratory are presented in Table 1.

The samples were received within the acceptable temperature range of 4 ± 2°C and there were no sample discrepancies noted by the laboratory upon receipt.

Data were reviewed in accordance with the appropriate method procedures. The most current control limits provided by the laboratory were used to evaluate the quality control data.

Hold times, method blanks, blank spike (BS) and blank spike duplicate (BSD), matrix spike/matrix spike duplicate (MS/MSD) results, surrogate recoveries, field duplicate results, and reporting limits were reviewed to assess compliance with applicable methods and the laboratory procedures. If data qualification was required, data were qualified in general accordance with the definitions and use of qualifying flags outlined in EPA documents (EPA, 2014).

Samples were analyzed for PCBs by the method identified in the introduction to this report and were evaluated for the following criteria.

1. Holding Times – Acceptable
2. Blanks – Acceptable
3. BS/BSD – Acceptable

The laboratory did not report blank spike results if acceptable MS/MSD results were reported, following their standard operating procedure. Sample results are not qualified.

4. MS/MSD – Acceptable

   The laboratory occasionally reported MS/MSD results performed with samples not associated with project samples. These MS/MSD results were not used to evaluate project samples.

5. Surrogates – Acceptable except as noted:

   SDG 1502-249
   The surrogate was not recovered in the analysis of sample KM15-B08-Dup-1, KM-15-B08-Comp-8, KM-15-B08-Comp-13. KM-15-B08-Comp-15. The samples were analyzed at dilutions between 10 and 20 times to overcome high analyte concentrations; therefore, the surrogate concentrations were also diluted. Sample results were not qualified due to the necessary dilutions.

   SDG 1503-068
   The surrogates were not recovered in the analysis of samples KM09-8-78 and KM09-8-79 due to the high dilution necessitated by matrix interference. Sample results are not qualified.

6. Field Duplicates – Acceptable

   Three field duplicates were submitted with this sampling event. Primary and duplicate results are summarized in the table below. The project-specific control limit for field duplicate relative percent differences (RPDs) are acceptable for sample pairs with concentrations greater than five times the reporting limit. The RPD is not calculated for results that are less than five times the reporting limit, as indicated on the table below by "NC." In these cases, the absolute value of the difference between the primary and duplicate result should not exceed the value of the reporting limit. The results for Aroclor 1254 and Aroclor 1260 in samples KM15-B08-4D and KM15-B08-DUP 1 are qualified as estimated. The difference between the primary and duplicate results exceeded the value of the reporting limit.

Sample ID/ Field Duplicate ID	Analyte	Primary Result (µg/L)	Duplicate Result (µg/L)	Reporting Limit (µg/L)	RPD (%)
KM15-B08-Comp-15/ KM15-B08-Dup-1	Aroclor 1260	3.2	3.3	0.55	3
KM15-B08-Comp-32B/ KM15-B08-Dup1-031315	Aroclor 1260	0.36	0.48	0.060	29
KM15-B08-4D/ KM15-B08-DUP 1	Aroclor 1254 Aroclor 1260	0.23 0.20	0.11 0.094	0.060	NC NC

7. Reporting Limits and Laboratory Qualifiers – Acceptable

Some of the samples were flagged with an “X” by the laboratory because these samples were treated with a mercury clean-up procedure. The samples are reported without the laboratory applied qualified and are not further qualified as a result of the data review.

OVERALL ASSESSMENT OF DATA

The OnSite SDGs 1502-249, 1502-249B, 1503-068, 1503-068B, 1503-143, 1503-143B, 1503-274, and 1503-283 are 100% complete. The data usability is based on EPA’s guidance documents. Few problems were identified and analytical performance was generally within specified limits. The data are acceptable and meet the project’s data quality objectives.

REFERENCES

U.S. Environmental Protection Agency (EPA), 2014, U.S. EPA National Functional Guidelines for Superfund Organic Methods Data Review: EPA 540-R-014-002, August.

TABLE 1
QUALIFIED RESULTS

Sample ID	SDG	Qualified Analyte	Qualified Result	Qualifier Reason
KM15-B08-Dup-1	1502-249	none	none	none
KM-15-B08-Comp-1				
KM-15-B08-Comp-2				
KM-15-B08-Comp-3				
KM-15-B08-Comp-4				
KM-15-B08-Comp-5				
KM-15-B08-Comp-6				
KM-15-B08-Comp-7				
KM-15-B08-Comp-8				
KM-15-B08-Comp-9				
KM-15-B08-Comp-10				
KM-15-B08-Comp-11				
KM-15-B08-Comp-12				
KM-15-B08-Comp-13				
KM-15-B08-Comp-14				
KM-15-B08-Comp-15				
KM-15-B08-Comp-16				
KM-15-B08-Comp-17				
KM-15-B08-Comp-18				
KM-15-B08-Comp-19				
KM-15-B08-Comp-20				
KM-15-B08-Comp-21				
KM-15-B08-Comp-22				
KM-15-B08-Comp-23				
KM-15-B08-Comp-24				
KM-15-B08-91	1502-249B	none	none	none

Amec Foster Wheeler Environment & Infrastructure, Inc.
600 University Street, Suite 600
Seattle, Washington
USA 98101-4107
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TABLE 1
QUALIFIED RESULTS

Sample ID	SDG	Qualified Analyte	Qualified Result	Qualifier Reason
KM-15-B08-Comp30	1503-068	none	none	none
KM-15-B08-Comp3				
KM-15-B08-Comp31				
KM-15-B08-Comp32				
KM-15-B08-Comp33				
KM-15-B08-Comp34				
KM-15-B08-Comp35				
KM-15-B08-Comp36				
KM-15-B08-Comp37				
KM-15-B08-Comp41				
KM-15-B08-Comp40	1503-068	none	none	none
KM-15-B08-Comp39				
KM-15-B08-Comp38				
KM-15-B08-Comp42				
KM-15-B08-Comp43				
KM-15-B08-Comp44				
KM-15-B08-Comp45	1503-068	none	none	none
KM-15-B08-Comp46	1503-068	none	none	none
KM-15-B08-Comp47				
KM-15-B08-Comp48				
KM-15-B08-Comp49				
KM-15-B08-Comp50				
KM-15-B08-Comp51				
KM-15-B08-Comp52				
KM-15-B08-Comp53				
KM-15-B08-Comp26				
KM-15-B08-Comp25				
KM-15-B08-Comp27				
KM-15-B08-Comp28				
KM-15-B08-Comp29				
KM-15-B08-31B	1503-068B	none	none	none
KM-15-B08-38B				

TABLE 1
QUALIFIED RESULTS

Sample ID	SDG	Qualified Analyte	Qualified Result	Qualifier Reason
KM15-B08-Comp 30B	1503-143	none	none	none
KM15-B08-Comp 31B				
KM15-B08-Comp 32B				
KM15-B08-Comp 41B				
KM15-B08-Comp 54				
KM15-B08-Comp 40B				
KM15-B08-Comp 55				
KM15-B08-Comp 39B				
KM15-B08-Comp 29B				
KM15-B08-Comp 42B				
KM15-B08-Comp 43B				
KM15-B08-Comp 44B				
KM15-B08-Comp 34B				
KM15-B08-Comp 36B				
KM15-B08-Dup1-031315				
KM15-B08-3C	1503-143B	none	none	none
KM15-B08-4C				
KM15-B08-5C				
KM15-B08-6C				
KM15-B08-10C				
KM15-B08-11C	1503-143B	none	none	none
KM15-B08-12C				
KM15-B08-13C				
KM15-B08-46B				
KM15-B08-47B	1503-143B	none	none	none

TABLE 1
QUALIFIED RESULTS

Sample ID	SDG	Qualified Analyte	Qualified Result	Qualifier Reason
KM15-B08-48B	1503-143B	none	none	none
KM15-B08-53B				
KM15-B08-54B				
KM15-B08-55B				
KM15-B08-57B				
KM15-B08-58C				
KM15-B08-59C				
KM15-B08-60C				
KM15-B08-61C				
KM15-B08-77C				
KM15-B08-78C				
KM15-B08-85C				
KM15-B08-86C				
KM15-B08-148B				
KM15-B08-149B				
KM15-B08-150B				
KM15-B08-151B				
KM15-B08-79C				
KM15-B08-87C				
KM15-B08-95C				
KM15-B08-103C				
KM15-B08-4D	1503-274	Aroclor 1254 Aroclor 1260	0.23 J 0.20 J	field duplicate RPDs
KM15-B08-6D		none	none	none
KM15-B08-46D				
KM15-B08-47D				
KM15-B08-48D				
KM15-B08-53D				
KM15-B08-54D				
KM15-B08-60D				
KM15-B08-77D				
KM15-B08-91D				
KM15-B08-Dup 1		Aroclor 1254 Aroclor 1260	0.11 J 0.094 J	field duplicate RPDs
KM15-B08-38D	1503-283	none	none	none

Abbreviations:
J = result is estimated
RPD = relative percent difference
SDG = Sample Delivery Group

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 3, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project SE14161100
Laboratory Reference No. 1502-249

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on February 27, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 3, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-249
Project: SE14161100

Case Narrative

Samples were collected on February 26, 2015 and received by the laboratory on February 27, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 3, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-249
Project: SE14161100

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM15-B08-Dup-1**					
Laboratory ID:	02-249-01					
Aroclor 1016	**ND**	0.55	EPA 8082A	2-27-15	3-3-15	
Aroclor 1221	**ND**	0.55	EPA 8082A	2-27-15	3-3-15	
Aroclor 1232	**ND**	0.55	EPA 8082A	2-27-15	3-3-15	
Aroclor 1242	**ND**	0.55	EPA 8082A	2-27-15	3-3-15	
Aroclor 1248	**ND**	0.55	EPA 8082A	2-27-15	3-3-15	
Aroclor 1254	**ND**	0.55	EPA 8082A	2-27-15	3-3-15	
Aroclor 1260	**3.3**	0.55	EPA 8082A	2-27-15	3-3-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	---	*55-140*				S
Client ID:	**KM-15-B08-Comp-1**					
Laboratory ID:	02-249-149					
Aroclor 1016	**ND**	0.056	EPA 8082A	2-27-15	3-2-15	
Aroclor 1221	**ND**	0.056	EPA 8082A	2-27-15	3-2-15	
Aroclor 1232	**ND**	0.056	EPA 8082A	2-27-15	3-2-15	
Aroclor 1242	**ND**	0.056	EPA 8082A	2-27-15	3-2-15	
Aroclor 1248	**ND**	0.056	EPA 8082A	2-27-15	3-2-15	
Aroclor 1254	**ND**	0.056	EPA 8082A	2-27-15	3-2-15	
Aroclor 1260	**1.2**	0.056	EPA 8082A	2-27-15	3-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*75*	*55-140*				
Client ID:	**KM-15-B08-Comp-2**					
Laboratory ID:	02-249-150					
Aroclor 1016	**ND**	0.052	EPA 8082A	2-27-15	3-2-15	
Aroclor 1221	**ND**	0.052	EPA 8082A	2-27-15	3-2-15	
Aroclor 1232	**ND**	0.052	EPA 8082A	2-27-15	3-2-15	
Aroclor 1242	**ND**	0.052	EPA 8082A	2-27-15	3-2-15	
Aroclor 1248	**ND**	0.052	EPA 8082A	2-27-15	3-2-15	
Aroclor 1254	**ND**	0.052	EPA 8082A	2-27-15	3-2-15	
Aroclor 1260	**0.84**	0.052	EPA 8082A	2-27-15	3-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*75*	*55-140*				

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Date of Report: March 3, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-249
Project: SE14161100

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-15-B08-Comp-3**					
Laboratory ID:	02-249-151					
Aroclor 1016	**ND**	0.055	EPA 8082A	2-27-15	3-2-15	
Aroclor 1221	**ND**	0.055	EPA 8082A	2-27-15	3-2-15	
Aroclor 1232	**ND**	0.055	EPA 8082A	2-27-15	3-2-15	
Aroclor 1242	**ND**	0.055	EPA 8082A	2-27-15	3-2-15	
Aroclor 1248	**ND**	0.055	EPA 8082A	2-27-15	3-2-15	
Aroclor 1254	**ND**	0.055	EPA 8082A	2-27-15	3-2-15	
Aroclor 1260	**0.35**	0.055	EPA 8082A	2-27-15	3-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*80*	*55-140*				
Client ID:	**KM-15-B08-Comp-4**					
Laboratory ID:	02-249-152					
Aroclor 1016	**ND**	0.063	EPA 8082A	2-27-15	3-2-15	
Aroclor 1221	**ND**	0.063	EPA 8082A	2-27-15	3-2-15	
Aroclor 1232	**ND**	0.063	EPA 8082A	2-27-15	3-2-15	
Aroclor 1242	**ND**	0.063	EPA 8082A	2-27-15	3-2-15	
Aroclor 1248	**ND**	0.063	EPA 8082A	2-27-15	3-2-15	
Aroclor 1254	**ND**	0.063	EPA 8082A	2-27-15	3-2-15	
Aroclor 1260	**0.68**	0.063	EPA 8082A	2-27-15	3-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*69*	*55-140*				
Client ID:	**KM-15-B08-Comp-5**					
Laboratory ID:	02-249-153					
Aroclor 1016	**ND**	0.068	EPA 8082A	2-27-15	3-2-15	
Aroclor 1221	**ND**	0.068	EPA 8082A	2-27-15	3-2-15	
Aroclor 1232	**ND**	0.068	EPA 8082A	2-27-15	3-2-15	
Aroclor 1242	**ND**	0.068	EPA 8082A	2-27-15	3-2-15	
Aroclor 1248	**ND**	0.068	EPA 8082A	2-27-15	3-2-15	
Aroclor 1254	**ND**	0.068	EPA 8082A	2-27-15	3-2-15	
Aroclor 1260	**0.18**	0.068	EPA 8082A	2-27-15	3-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*79*	*55-140*				

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Date of Report: March 3, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-249
Project: SE14161100

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-15-B08-Comp-6**					
Laboratory ID:	02-249-154					
Aroclor 1016	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1221	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1232	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1242	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1248	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1254	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1260	**0.19**	0.062	EPA 8082A	3-2-15	3-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*98*	*55-140*				
Client ID:	**KM-15-B08-Comp-7**					
Laboratory ID:	02-249-155					
Aroclor 1016	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1221	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1232	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1242	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1248	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1254	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1260	**1.5**	0.062	EPA 8082A	3-2-15	3-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*77*	*55-140*				
Client ID:	**KM-15-B08-Comp-8**					
Laboratory ID:	02-249-156					
Aroclor 1016	**ND**	0.57	EPA 8082A	3-2-15	3-3-15	
Aroclor 1221	**ND**	0.57	EPA 8082A	3-2-15	3-3-15	
Aroclor 1232	**ND**	0.57	EPA 8082A	3-2-15	3-3-15	
Aroclor 1242	**ND**	0.57	EPA 8082A	3-2-15	3-3-15	
Aroclor 1248	**ND**	0.57	EPA 8082A	3-2-15	3-3-15	
Aroclor 1254	**ND**	0.57	EPA 8082A	3-2-15	3-3-15	
Aroclor 1260	**3.7**	0.57	EPA 8082A	3-2-15	3-3-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*---*	*55-140*				S

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Date of Report: March 3, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-249
Project: SE14161100

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-15-B08-Comp-9**					
Laboratory ID:	02-249-157					
Aroclor 1016	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1221	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1232	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1242	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1248	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1254	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1260	**0.60**	0.062	EPA 8082A	3-2-15	3-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*75*	*55-140*				
Client ID:	**KM-15-B08-Comp-10**					
Laboratory ID:	02-249-158					
Aroclor 1016	**ND**	0.066	EPA 8082A	3-2-15	3-2-15	
Aroclor 1221	**ND**	0.066	EPA 8082A	3-2-15	3-2-15	
Aroclor 1232	**ND**	0.066	EPA 8082A	3-2-15	3-2-15	
Aroclor 1242	**ND**	0.066	EPA 8082A	3-2-15	3-2-15	
Aroclor 1248	**ND**	0.066	EPA 8082A	3-2-15	3-2-15	
Aroclor 1254	**ND**	0.066	EPA 8082A	3-2-15	3-2-15	
Aroclor 1260	**0.23**	0.066	EPA 8082A	3-2-15	3-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*78*	*55-140*				
Client ID:	**KM-15-B08-Comp-11**					
Laboratory ID:	02-249-159					
Aroclor 1016	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1221	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1232	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1242	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1248	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1254	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1260	**0.46**	0.062	EPA 8082A	3-2-15	3-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*77*	*55-140*				

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Date of Report: March 3, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-249
Project: SE14161100

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-15-B08-Comp-12**					
Laboratory ID:	02-249-160					
Aroclor 1016	**ND**	0.066	EPA 8082A	3-2-15	3-2-15	
Aroclor 1221	**ND**	0.066	EPA 8082A	3-2-15	3-2-15	
Aroclor 1232	**ND**	0.066	EPA 8082A	3-2-15	3-2-15	
Aroclor 1242	**ND**	0.066	EPA 8082A	3-2-15	3-2-15	
Aroclor 1248	**ND**	0.066	EPA 8082A	3-2-15	3-2-15	
Aroclor 1254	**ND**	0.066	EPA 8082A	3-2-15	3-2-15	
Aroclor 1260	**0.24**	0.066	EPA 8082A	3-2-15	3-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*70*	*55-140*				
Client ID:	**KM-15-B08-Comp-13**					
Laboratory ID:	02-249-161					
Aroclor 1016	**ND**	1.2	EPA 8082A	3-2-15	3-3-15	
Aroclor 1221	**ND**	1.2	EPA 8082A	3-2-15	3-3-15	
Aroclor 1232	**ND**	1.2	EPA 8082A	3-2-15	3-3-15	
Aroclor 1242	**ND**	1.2	EPA 8082A	3-2-15	3-3-15	
Aroclor 1248	**ND**	1.2	EPA 8082A	3-2-15	3-3-15	
Aroclor 1254	**ND**	1.2	EPA 8082A	3-2-15	3-3-15	
Aroclor 1260	**14**	1.2	EPA 8082A	3-2-15	3-3-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*---*	*55-140*				S
Client ID:	**KM-15-B08-Comp-14**					
Laboratory ID:	02-249-162					
Aroclor 1016	**ND**	0.052	EPA 8082A	3-2-15	3-2-15	
Aroclor 1221	**ND**	0.052	EPA 8082A	3-2-15	3-2-15	
Aroclor 1232	**ND**	0.052	EPA 8082A	3-2-15	3-2-15	
Aroclor 1242	**ND**	0.052	EPA 8082A	3-2-15	3-2-15	
Aroclor 1248	**ND**	0.052	EPA 8082A	3-2-15	3-2-15	
Aroclor 1254	**ND**	0.052	EPA 8082A	3-2-15	3-2-15	
Aroclor 1260	**ND**	0.052	EPA 8082A	3-2-15	3-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*82*	*55-140*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 3, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-249
Project: SE14161100

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-15-B08-Comp-15**					
Laboratory ID:	02-249-163					
Aroclor 1016	**ND**	0.54	EPA 8082A	3-2-15	3-3-15	
Aroclor 1221	**ND**	0.54	EPA 8082A	3-2-15	3-3-15	
Aroclor 1232	**ND**	0.54	EPA 8082A	3-2-15	3-3-15	
Aroclor 1242	**ND**	0.54	EPA 8082A	3-2-15	3-3-15	
Aroclor 1248	**ND**	0.54	EPA 8082A	3-2-15	3-3-15	
Aroclor 1254	**ND**	0.54	EPA 8082A	3-2-15	3-3-15	
Aroclor 1260	**3.2**	0.54	EPA 8082A	3-2-15	3-3-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*---*	*55-140*				S
Client ID:	**KM-15-B08-Comp-16**					
Laboratory ID:	02-249-164					
Aroclor 1016	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1221	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1232	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1242	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1248	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1254	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1260	**0.39**	0.062	EPA 8082A	3-2-15	3-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*86*	*55-140*				
Client ID:	**KM-15-B08-Comp-17**					
Laboratory ID:	02-249-165					
Aroclor 1016	**ND**	0.057	EPA 8082A	3-2-15	3-2-15	
Aroclor 1221	**ND**	0.057	EPA 8082A	3-2-15	3-2-15	
Aroclor 1232	**ND**	0.057	EPA 8082A	3-2-15	3-2-15	
Aroclor 1242	**ND**	0.057	EPA 8082A	3-2-15	3-2-15	
Aroclor 1248	**ND**	0.057	EPA 8082A	3-2-15	3-2-15	
Aroclor 1254	**ND**	0.057	EPA 8082A	3-2-15	3-2-15	
Aroclor 1260	**1.3**	0.057	EPA 8082A	3-2-15	3-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*86*	*55-140*				

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Date of Report: March 3, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-249
Project: SE14161100

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-15-B08-Comp-18**					
Laboratory ID:	02-249-166					
Aroclor 1016	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1221	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1232	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1242	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1248	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1254	**ND**	0.062	EPA 8082A	3-2-15	3-2-15	
Aroclor 1260	**1.7**	0.062	EPA 8082A	3-2-15	3-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*87*	*55-140*				
Client ID:	**KM-15-B08-Comp-19**					
Laboratory ID:	02-249-167					
Aroclor 1016	**ND**	0.060	EPA 8082A	3-2-15	3-2-15	
Aroclor 1221	**ND**	0.060	EPA 8082A	3-2-15	3-2-15	
Aroclor 1232	**ND**	0.060	EPA 8082A	3-2-15	3-2-15	
Aroclor 1242	**ND**	0.060	EPA 8082A	3-2-15	3-2-15	
Aroclor 1248	**ND**	0.060	EPA 8082A	3-2-15	3-2-15	
Aroclor 1254	**ND**	0.060	EPA 8082A	3-2-15	3-2-15	
Aroclor 1260	**1.3**	0.060	EPA 8082A	3-2-15	3-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*92*	*55-140*				
Client ID:	**KM-15-B08-Comp-20**					
Laboratory ID:	02-249-168					
Aroclor 1016	**ND**	0.055	EPA 8082A	3-2-15	3-2-15	
Aroclor 1221	**ND**	0.055	EPA 8082A	3-2-15	3-2-15	
Aroclor 1232	**ND**	0.055	EPA 8082A	3-2-15	3-2-15	
Aroclor 1242	**ND**	0.055	EPA 8082A	3-2-15	3-2-15	
Aroclor 1248	**ND**	0.055	EPA 8082A	3-2-15	3-2-15	
Aroclor 1254	**ND**	0.055	EPA 8082A	3-2-15	3-2-15	
Aroclor 1260	**0.96**	0.055	EPA 8082A	3-2-15	3-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*88*	*55-140*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 3, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-249
Project: SE14161100

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-15-B08-Comp-21**					
Laboratory ID:	02-249-169					
Aroclor 1016	**ND**	0.060	EPA 8082A	3-2-15	3-2-15	
Aroclor 1221	**ND**	0.060	EPA 8082A	3-2-15	3-2-15	
Aroclor 1232	**ND**	0.060	EPA 8082A	3-2-15	3-2-15	
Aroclor 1242	**ND**	0.060	EPA 8082A	3-2-15	3-2-15	
Aroclor 1248	**ND**	0.060	EPA 8082A	3-2-15	3-2-15	
Aroclor 1254	**ND**	0.060	EPA 8082A	3-2-15	3-2-15	
Aroclor 1260	**0.38**	0.060	EPA 8082A	3-2-15	3-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*85*	*55-140*				
Client ID:	**KM-15-B08-Comp-22**					
Laboratory ID:	02-249-170					
Aroclor 1016	**ND**	0.055	EPA 8082A	3-2-15	3-2-15	
Aroclor 1221	**ND**	0.055	EPA 8082A	3-2-15	3-2-15	
Aroclor 1232	**ND**	0.055	EPA 8082A	3-2-15	3-2-15	
Aroclor 1242	**ND**	0.055	EPA 8082A	3-2-15	3-2-15	
Aroclor 1248	**ND**	0.055	EPA 8082A	3-2-15	3-2-15	
Aroclor 1254	**ND**	0.055	EPA 8082A	3-2-15	3-2-15	
Aroclor 1260	**0.78**	0.055	EPA 8082A	3-2-15	3-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*86*	*55-140*				
Client ID:	**KM-15-B08-Comp-23**					
Laboratory ID:	02-249-171					
Aroclor 1016	**ND**	0.056	EPA 8082A	3-2-15	3-2-15	
Aroclor 1221	**ND**	0.056	EPA 8082A	3-2-15	3-2-15	
Aroclor 1232	**ND**	0.056	EPA 8082A	3-2-15	3-2-15	
Aroclor 1242	**ND**	0.056	EPA 8082A	3-2-15	3-2-15	
Aroclor 1248	**ND**	0.056	EPA 8082A	3-2-15	3-2-15	
Aroclor 1254	**ND**	0.056	EPA 8082A	3-2-15	3-2-15	
Aroclor 1260	**0.14**	0.056	EPA 8082A	3-2-15	3-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*83*	*55-140*				

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Date of Report: March 3, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-249
Project: SE14161100

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-15-B08-Comp-24**					
Laboratory ID:	02-249-172					
Aroclor 1016	**ND**	0.055	EPA 8082A	3-2-15	3-2-15	
Aroclor 1221	**ND**	0.055	EPA 8082A	3-2-15	3-2-15	
Aroclor 1232	**ND**	0.055	EPA 8082A	3-2-15	3-2-15	
Aroclor 1242	**ND**	0.055	EPA 8082A	3-2-15	3-2-15	
Aroclor 1248	**ND**	0.055	EPA 8082A	3-2-15	3-2-15	
Aroclor 1254	**ND**	0.055	EPA 8082A	3-2-15	3-2-15	
Aroclor 1260	**0.24**	0.055	EPA 8082A	3-2-15	3-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*84*	*55-140*				

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Date of Report: March 3, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-249
Project: SE14161100

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0227S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	2-27-15	3-2-15	
Aroclor 1221	**ND**	0.050	EPA 8082A	2-27-15	3-2-15	
Aroclor 1232	**ND**	0.050	EPA 8082A	2-27-15	3-2-15	
Aroclor 1242	**ND**	0.050	EPA 8082A	2-27-15	3-2-15	
Aroclor 1248	**ND**	0.050	EPA 8082A	2-27-15	3-2-15	
Aroclor 1254	**ND**	0.050	EPA 8082A	2-27-15	3-2-15	
Aroclor 1260	**ND**	0.050	EPA 8082A	2-27-15	3-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*101*	*55-140*				
Laboratory ID:	MB0302S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	3-2-15	3-2-15	
Aroclor 1221	**ND**	0.050	EPA 8082A	3-2-15	3-2-15	
Aroclor 1232	**ND**	0.050	EPA 8082A	3-2-15	3-2-15	
Aroclor 1242	**ND**	0.050	EPA 8082A	3-2-15	3-2-15	
Aroclor 1248	**ND**	0.050	EPA 8082A	3-2-15	3-2-15	
Aroclor 1254	**ND**	0.050	EPA 8082A	3-2-15	3-2-15	
Aroclor 1260	**ND**	0.050	EPA 8082A	3-2-15	3-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*103*	*55-140*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	02-249-150										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**1.23**	**1.30**	0.500	0.500	0.802	**86**	**99**	46-136	6	17	
Surrogate:											
DCB						*85*	*81*	*55-140*			
SPIKE BLANKS											
Laboratory ID:	SB0302S1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.491**	**0.527**	0.500	0.500	N/A	**98**	**105**	64-127	7	11	
Surrogate:											
DCB						*102*	*111*	*55-140*			

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Date of Report: March 3, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-249
Project: SE14161100

% MOISTURE

Date Analyzed: 2-27&3-2-15

Client ID	Lab ID	% Moisture
KM15-B08-Dup-1	02-249-01	9
KM-15-B08-Comp-1	02-249-149	11
KM-15-B08-Comp-2	02-249-150	4
KM-15-B08-Comp-3	02-249-151	9
KM-15-B08-Comp-4	02-249-152	20
KM-15-B08-Comp-5	02-249-153	26
KM-15-B08-Comp-6	02-249-154	20
KM-15-B08-Comp-7	02-249-155	19
KM-15-B08-Comp-8	02-249-156	12
KM-15-B08-Comp-9	02-249-157	19
KM-15-B08-Comp-10	02-249-158	25
KM-15-B08-Comp-11	02-249-159	19
KM-15-B08-Comp-12	02-249-160	25
KM-15-B08-Comp-13	02-249-161	17
KM-15-B08-Comp-14	02-249-162	4
KM-15-B08-Comp-15	02-249-163	8
KM-15-B08-Comp-16	02-249-164	19
KM-15-B08-Comp-17	02-249-165	13
KM-15-B08-Comp-18	02-249-166	20
KM-15-B08-Comp-19	02-249-167	16
KM-15-B08-Comp-20	02-249-168	10
KM-15-B08-Comp-21	02-249-169	17
KM-15-B08-Comp-22	02-249-170	9
KM-15-B08-Comp-23	02-249-171	11
KM-15-B08-Comp-24	02-249-172	10

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody Record

Onsite Environmental

02-249

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 1 of 15
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Archive	PCBs	Moisture	Sample Specific Notes:
1	KM15-B08-Dup-1	2/26/2015	1500	Comp	Soil	1				X	X	
2	KM15-B08-1	2/26/2015	1507	grab	Soil	1			X			
3	KM-15-B08-2	2/26/2015	1508	grab	Soil	1			X			
4	KM-15-B08-3	2/26/2015	1509	grab	Soil	1			X			
5	KM-15-B08-4	2/26/2015	1510	grab	Soil	1			X			
6	KM-15-B08-5	2/26/2015	1511	grab	Soil	1			X			
7	KM-15-B08-6	2/26/2015	1512	grab	Soil	1			X			
8	KM-15-B08-7	2/26/2015	1513	grab	Soil	1			X			
9	KM-15-B08-8	2/26/2015	1514	grab	Soil	1			X			
10	KM-15-B08-9	2/26/2015	1515	grab	Soil	1			X			
11	KM-15-B08-10	2/26/2015	1516	grab	Soil	1			X			
12	KM-15-B08-11	2/26/2015	1517	grab	Soil	1			X			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

2115

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

	Company:	Date/Time:		Company:	Date/Time:
Relinquished by:	amec	2/26/15	Received by:		
Relinquished by: Reid	EPCDT	2/27/15	Received by:		
Relinquished by:	EPCDT	2/27/15 1040	Received in Laboratory by:	ONE	2/27/15 1040

Chain of Custody Record

Onsite Environmental

02-249

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 2 of 15
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Archive	PCBs	Sample Specific Notes:
13	KM-15-B08-12	2/26/2015	1518	~~Comp~~ grab	Soil	1			X		
14	KM-15-B08-13	2/26/2015	1519	grab	Soil	1			X		
15	KM-15-B08-14	2/26/2015	1520	grab	Soil	1			X		
16	KM-15-B08-15	2/26/2015	1521	grab	Soil	1			X		
17	KM-15-B08-16	2/26/2015	1522	grab	Soil	1			X		
18	KM-15-B08-17	2/26/2015	1523	grab	Soil	1			X		
19	KM-15-B08-18	2/26/2015	1524	grab	Soil	1			X		
20	KM-15-B08-19	2/26/2015	1525	grab	Soil	1			X		
21	KM-15-B08-20	2/26/2015	1526	grab	Soil	1			X		
22	KM-15-B08-21	2/26/2015	1527	grab	Soil	1			X		
23	KM-15-B08-22	2/26/2015	1528	grab	Soil	1			X		
24	KM-15-B08-23	2/26/2015	1529	grab	Soil	1			X		

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

2/15

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: Amec	Date/Time: 2/26/15	Received by:	Company:	Date/Time:
Relinquished by: Rec'd	Company: Spectrum	Date/Time: 2/27/15 0930	Received by:	Company:	Date/Time:
Relinquished by:	Company: Spectrum	Date/Time: 2-27-15 1030	Received in Laboratory by:	Company: ONE	Date/Time: 2/27/15 1040

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

Chain of Custody Record

Onsite Environmental

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other: 02-249

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 3 of 15
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Archive	PCBs	Sample Specific Notes:
25	KM-15-B08-24	2/26/2015	1530	~~grab~~ Comp	Soil	1			X		
26	KM-15-B08-25	2/26/2015	1531	grab	Soil	1			X		
27	KM-15-B08-26	2/26/2015	1532	grab	Soil	1			X		
28	KM-15-B08-27	2/26/2015	1533	grab	Soil	1			X		
29	KM-15-B08-28	2/26/2015	1534	grab	Soil	1			X		
30	KM-15-B08-29	2/26/2015	1535	grab	Soil	1			X		
31	KM-15-B08-30	2/26/2015	1536	grab	Soil	1			X		
32	KM-15-B08-31	2/26/2015	1537	grab	Soil	1			X		
33	KM-15-B08-32	2/26/2015	1538	grab	Soil	1			X		
34	KM-15-B08-33	2/26/2015	1539	grab	Soil	1			X		
35	KM-15-B08-34	2/26/2015	1540	grab	Soil	1			X		
36	KM-15-B08-35	2/26/2015	1541	grab	Soil	1			X		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

2115

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____		
Relinquished by:	Company: AMEC	Date/Time: 2/26/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: SPECTRA	Date/Time: 2/27/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: SPECTRA	Date/Time: 2/27/15 1040	Received in Laboratory by:	Company: ONE	Date/Time: 2/27/15 1040

Chain of Custody Record

Onsite Environmental

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other: 02-249 **Onsite Labs, Redmond, WA**

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 4 of 15
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Archive	PCBs	Sample Specific Notes:
37	KM-15-B08-36	2/26/2015	1542	~~Comp~~ grab	Soil	1			X		
38	KM-15-B08-37	2/26/2015	1543	grab	Soil	1			X		
39	KM-15-B08-38	2/26/2015	1544	grab	Soil	1			X		
40	KM-15-B08-39	2/26/2015	1545	grab	Soil	1			X		
41	KM-15-B08-40	2/26/2015	1546	grab	Soil	1			X		
42	KM-15-B08-41	2/26/2015	1547	grab	Soil	1			X		
43	KM-15-B08-42	2/26/2015	1548	grab	Soil	1			X		
44	KM-15-B08-43	2/26/2015	1549	grab	Soil	1			X		
45	KM-15-B08-44	2/26/2015	1550	grab	Soil	1			X		
46	KM-15-B08-45	2/26/2015	1551	grab	Soil	1			X		
47	KM-15-B08-46	2/26/2015	1552	grab	Soil	1			X		
48	KM-15-B08-47	2/26/2015	1553	grab	Soil	1			X		

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

2.15

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: Amec	Date/Time: 2/26/15	Received by:	Company:	Date/Time:
~~Relinquished~~ Rec'd by:	Company: SPEDT	Date/Time: 2/27/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: SPEDT	Date/Time: 2/27/15 1030	Received in Laboratory by:	Company: OSE	Date/Time: 2/27/15 1040

Chain of Custody Record

Onsite Environmental

02-249

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 6 of 15
600 University St., Suite 600	**Analysis Turnaround Time**			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			**For Lab Use Only:**
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Archive	PCBs	Sample Specific Notes:
61 KM-15-B08-48	2/26/2015	1554	grab	Soil	1			X		
62 KM-15-B08-49	2/26/2015	1555	grab	Soil	1			X		
63 KM-15-B08-50	2/26/2015	1556	grab	Soil	1			X		
64 KM-15-B08-51	2/26/2015	1557	grab	Soil	1			X		
65 KM-15-B08-52	2/26/2015	1558	grab	Soil	1			X		
66 KM-15-B08-53	2/26/2015	1559	grab	Soil	1			X		
67 KM-15-B08-54	2/26/2015	1600	grab	Soil	1			X		
68 KM-15-B08-55	2/26/2015	1601	grab	Soil	1			X		
69 KM-15-B08-56	2/26/2015	1602	grab	Soil	1			X		
70 KM-15-B08-57	2/26/2015	1603	grab	Soil	1			X		
71 KM-15-B08-58	2/26/2015	1604	grab	Soil	1			X		
72 KM-15-B08-59	2/26/2015	1605	grab	Soil	1			X		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

2/15

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____	Therm ID No.:_____	
Relinquished by:	Company: Amec	Date/Time: 2/26/15	Received by:	Company:	Date/Time:
Relinquished by: Reid	Company: Pace	Date/Time: 2/27/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: Speedy	Date/Time: 1037 2/27/15	Received in Laboratory by:	Company: OSE	Date/Time: 2/27/15 1040

Chain of Custody Record

Onsite Environmental

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other: 02-249

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 7 of 15
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Archive	PCBs	Sample Specific Notes:
73 KM-15-B08-60	2/26/2015	1606	grab	Soil	1			X		
74 KM-15-B08-61	2/26/2015	1607	grab	Soil	1			X		
75 KM-15-B08-62	2/26/2015	1608	grab	Soil	1			X		
76 KM-15-B08-63	2/26/2015	1609	grab	Soil	1			X		
77 KM-15-B08-64	2/26/2015	1610	grab	Soil	1			X		
78 KM-15-B08-65	2/26/2015	1611	grab	Soil	1			X		
79 KM-15-B08-66	2/26/2015	1612	grab	Soil	1			X		
80 KM-15-B08-67	2/26/2015	1613	grab	Soil	1			X		
81 KM-15-B08-68	2/26/2015	1614	grab	Soil	1			X		
82 KM-15-B08-69	2/26/2015	1615	grab	Soil	1			X		
83 KM-15-B08-70	2/26/2015	1616	grab	Soil	1			X		
84 KM-15-B08-71	2/26/2015	1617	grab	Soil	1			X		

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments:

2/15

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.: _____
Relinquished by:	Company: Amec	Date/Time: 2/26/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: Speedy	Date/Time: 2/27/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: Speedy	Date/Time: 2/27/15	Received in Laboratory by:	Company: OE	Date/Time: 2/27/15 1040

Chain of Custody Record

Onsite Environmental

02-249

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 8 of 15
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Archive	PCBs	Sample Specific Notes:
85	KM-15-B08-72	2/26/2015	1618	grab	Soil	1			X		
86	KM-15-B08-73	2/26/2015	1619	grab	Soil	1			X		
87	KM-15-B08-74	2/26/2015	1620	grab	Soil	1			X		
88	KM-15-B08-75	2/26/2015	1621	grab	Soil	1			X		
89	KM-15-B08-76	2/26/2015	1622	grab	Soil	1			X		
90	KM-15-B08-77	2/26/2015	1623	grab	Soil	1			X		
91	KM-15-B08-78	2/26/2015	1624	grab	Soil	1			X		
92	KM-15-B08-79	2/26/2015	1625	grab	Soil	1			X		
93	KM-15-B08-80	2/26/2015	1626	grab	Soil	1			X		
94	KM-15-B08-81	2/26/2015	1627	grab	Soil	1			X		
95	KM-15-B08-82	2/26/2015	1628	grab	Soil	1			X		
96	KM-15-B08-83	2/26/2015	1629	grab	Soil	1			X		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

2.15

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: Amec	Date/Time: 2/26/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: Spoon	Date/Time: 2/27/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: Spoon	Date/Time: 2/27/15	Received in Laboratory by:	Company: CORE	Date/Time: 2/27/15 1040

Chain of Custody Record

Onsite Environmental

02-249

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 9 of 15
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Archive	PCBs	Sample Specific Notes:
97 KM-15-B08-84	2/26/2015	1630	grab	Soil	1			X		
98 KM-15-B08-85	2/26/2015	1631	grab	Soil	1			X		
99 KM-15-B08-86	2/26/2015	1632	grab	Soil	1			X		
100 KM-15-B08-87	2/26/2015	1633	grab	Soil	1			X		
101 KM-15-B08-88	2/26/2015	1634	grab	Soil	1			X		
102 KM-15-B08-89	2/26/2015	1635	grab	Soil	1			X		
103 KM-15-B08-90	2/26/2015	1636	grab	Soil	1			X		
104 KM-15-B08-91	2/26/2015	1637	grab	Soil	1			X		
105 KM-15-B08-92	2/26/2015	1638	grab	Soil	1			X		
106 KM-15-B08-93	2/26/2015	1639	grab	Soil	1			X		
107 KM-15-B08-94	2/26/2015	1640	grab	Soil	1			X		
108 KM-15-B08-95	2/26/2015	1641	grab	Soil	1			X		

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

2115

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.: _____
Relinquished by:	Company: Amec	Date/Time: 2/26/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: Speedy	Date/Time: 2/27/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: Speedy	Date/Time: 2/27/15	Received in Laboratory by:	Company: OSE	Date/Time: 2/27/15 1040

Chain of Custody Record

Onsite Environmental

02-249

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 10 of 15
600 University St., Suite 600	**Analysis Turnaround Time**			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			**For Lab Use Only:**
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Archive	PCBs	Sample Specific Notes:
109 KM-15-B08-96	2/26/2015	1642	grab	Soil	1			X		
110 KM-15-B08-97	2/26/2015	1643	grab	Soil	1			X		
111 KM-15-B08-98	2/26/2015	1644	grab	Soil	1			X		
112 KM-15-B08-99	2/26/2015	1645	grab	Soil	1			X		
113 KM-15-B08-100	2/26/2015	1646	grab	Soil	1			X		
114 KM-15-B08-101	2/26/2015	1647	grab	Soil	1			X		
115 KM-15-B08-102	2/26/2015	1648	grab	Soil	1			X		
116 KM-15-B08-103	2/26/2015	1649	grab	Soil	1			X		
117 KM-15-B08-104	2/26/2015	1650	grab	Soil	1			X		
118 KM-15-B08-105	2/26/2015	1651	grab	Soil	1			X		
119 KM-15-B08-106	2/26/2015	1652	grab	Soil	1			X		
120 KM-15-B08-107	2/26/2015	1653	grab	Soil	1			X		

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

2.15

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____		
Relinquished by:	Company: Amec	Date/Time: 2/26/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: Sprague	Date/Time: 2/27/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: Sprague	Date/Time: 2/27/15	Received in Laboratory by:	Company: OSE	Date/Time: 2/27/15 1040

Chain of Custody Record

Onsite Environmental

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other: 02-249

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 11 of 15
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Archive	PCBs	Sample Specific Notes:
121 KM-15-B08-108	2/26/2015	1654	grab	Soil	1			X		
122 KM-15-B08-109	2/26/2015	1655	grab	Soil	1			X		
123 KM-15-B08-110	2/26/2015	1656	grab	Soil	1			X		
124 KM-15-B08-111	2/26/2015	1657	grab	Soil	1			X		
125 KM-15-B08-112	2/26/2015	1658	grab	Soil	1			X		
126 KM-15-B08-113	2/26/2015	1659	grab	Soil	1			X		
127 KM-15-B08-114	2/26/2015	1700	grab	Soil	1			X		
128 KM-15-B08-115	2/26/2015	1701	grab	Soil	1			X		
129 KM-15-B08-116	2/26/2015	1702	grab	Soil	1			X		
130 KM-15-B08-117	2/26/2015	1703	grab	Soil	1			X		
131 KM-15-B08-118	2/26/2015	1704	grab	Soil	1			X		
132 KM-15-B08-119	2/26/2015	1705	grab	Soil	1			X		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

2115

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: Amec	Date/Time: 2/26/15	Received by:	Company:	Date/Time:
Relinquished by: Reid	Company: SPEDI	Date/Time: 2/27/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: SPEDI	Date/Time: 2/27/15	Received in Laboratory by:	Company: OSE	Date/Time: 2/27/15 1040

Chain of Custody Record

Onsite Environmental

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other: 02-249

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 12 of 15
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Archive	PCBs	Sample Specific Notes:
133 KM-15-B08-120	2/26/2015	1706	grab	Soil	1			X		
134 KM-15-B08-121	2/26/2015	1707	grab	Soil	1			X		
135 KM-15-B08-122	2/26/2015	1708	grab	Soil	1			X		
136 KM-15-B08-123	2/26/2015	1709	grab	Soil	1			X		
137 KM-15-B08-124	2/26/2015	1710	grab	Soil	1			X		
138 KM-15-B08-125	2/26/2015	1711	grab	Soil	1			X		
139 KM-15-B08-126	2/26/2015	1712	grab	Soil	1			X		
140 KM-15-B08-127	2/26/2015	1713	grab	Soil	1			X		
141 KM-15-B08-128	2/26/2015	1714	grab	Soil	1			X		
142 KM-15-B08-129	2/26/2015	1715	grab	Soil	1			X		
143 KM-15-B08-130	2/26/2015	1716	grab	Soil	1			X		
144 KM-15-B08-131	2/26/2015	1717	grab	Soil	1			X		

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

2115

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: Amec	Date/Time: 2/26/15	Received by:	Company:	Date/Time:
Relinquished by: Reid	Company: SPECO	Date/Time: 2/27/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: SPECO	Date/Time: 2/27/15	Received in Laboratory by:	Company: ONE	Date/Time: 2/27/15 1040

Chain of Custody Record

Onsite Environmental

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other: 02-249

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 13 of 15
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Archive	PCBs	Soil Moisture	Sample Specific Notes:
145 KM-15-B08-132	2/26/2015	1718	grab	Soil	1			X			
146 KM-15-B08-133	2/26/2015	1719	grab	Soil	1			X			
147 KM-15-B08-134	2/26/2015	1720	grab	Soil	1			X			
148 KM-15-B08-135	2/26/2015	1721	grab	Soil	1			X			
149 KM-15-B08-Comp-1	2/26/2015	1722	grab	Soil	1				X	X	
150 KM-15-B08-Comp-2	2/26/2015	1723	grab	Soil	1				X		
151 KM-15-B08-Comp-3	2/26/2015	1724	grab	Soil	1				X		
152 KM-15-B08-Comp-4	2/26/2015	1725	grab	Soil	1				X		
153 KM-15-B08-Comp-5	2/26/2015	1726	grab	Soil	1				X		
154 KM-15-B08-Comp-6	2/26/2015	1727	grab	Soil	1				X		
155 KM-15-B08-Comp-7	2/26/2015	1728	grab	Soil	1				X		
156 KM-15-B08-Comp-8	2/26/2015	1729	grab	Soil	1				X		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

2.15

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.: _____
Relinquished by:	Company: Amec	Date/Time: 2/26/15	Received by:	Company:	Date/Time:
Relinquished by: Reid	Company: GP-Courier	Date/Time: 2/27/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: GP-Courier	Date/Time: 2/27/15	Received in Laboratory by:	Company: OSE	Date/Time: 2/27/15 1040

Chain of Custody Record

Onsite Environmental

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other: 02-249

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 14 of 15
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Archive	PCBs	% moisture	Sample Specific Notes:
157	KM-15-B08-Comp-9	2/26/2015	1730	grab	Soil	1				X		
158	KM-15-B08-Comp-10	2/26/2015	1731	grab	Soil	1				X		
159	KM-15-B08-Comp-11	2/26/2015	1732	grab	Soil	1				X		
160	KM-15-B08-Comp-12	2/26/2015	1733	grab	Soil	1				X		
161	KM-15-B08-Comp-13	2/26/2015	1734	grab	Soil	1				X		
162	KM-15-B08-Comp-14	2/26/2015	1735	grab	Soil	1				X		
163	KM-15-B08-Comp-15	2/26/2015	1736	grab	Soil	1				X		
164	KM-15-B08-Comp-16	2/26/2015	1737	grab	Soil	1				X		
165	KM-15-B08-Comp-17	2/26/2015	1738	grab	Soil	1				X		
166	KM-15-B08-Comp-18	2/26/2015	1739	grab	Soil	1				X		
167	KM-15-B08-Comp-19	2/26/2015	1740	grab	Soil	1				X		
168	KM-15-B08-Comp-20	2/26/2015	1741	grab	Soil	1				X		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

2015

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: Amec	Date/Time: 2/26/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: SPECTY	Date/Time: 2/27/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: SPECTY	Date/Time: 2/27/15	Received in Laboratory by:	Company: ONE	Date/Time: 2/27/15 1040

Chain of Custody Record

Onsite Environmental

02-249

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 15 of 15
600 University St., Suite 600	**Analysis Turnaround Time**			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			**For Lab Use Only:**
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Archive	PCBs	% moisture	Sample Specific Notes:
169 KM-15-B08-Comp-21	2/26/2015	1742	grab	Soil	1				X		
170 KM-15-B08-Comp-22	2/26/2015	1743	grab	Soil	1				X		
171 KM-15-B08-Comp-23	2/26/2015	1744	grab	Soil	1				X		
172 KM-15-B08-Comp-24	2/26/2015	1745	grab	Soil	1				X		

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____		
Relinquished by:	Company: Amec	Date/Time: 2/26/15	Received by:	Company:	Date/Time:
Relinquished by: Reed	Company: GP	Date/Time: 2/27/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: GP	Date/Time: 2/27/15	Received in Laboratory by:	Company: OSC	Date/Time: 2/27/15 1040

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 18, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project SE14161100
Laboratory Reference No. 1502-249B

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on February 27, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 18, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-249B
Project: SE14161100

Case Narrative

Samples were collected on February 26, 2015 and received by the laboratory on February 27, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 18, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-249B
Project: SE14161100

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-15-B08-91**					
Laboratory ID:	02-249-104					
Aroclor 1016	**ND**	0.062	EPA 8082A	3-17-15	3-17-15	
Aroclor 1221	**ND**	0.062	EPA 8082A	3-17-15	3-17-15	
Aroclor 1232	**ND**	0.062	EPA 8082A	3-17-15	3-17-15	
Aroclor 1242	**ND**	0.062	EPA 8082A	3-17-15	3-17-15	
Aroclor 1248	**ND**	0.062	EPA 8082A	3-17-15	3-17-15	
Aroclor 1254	**ND**	0.062	EPA 8082A	3-17-15	3-17-15	
Aroclor 1260	**1.3**	0.062	EPA 8082A	3-17-15	3-17-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*78*	*55-140*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 18, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-249B
Project: SE14161100

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0317S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	3-17-15	3-17-15	
Aroclor 1221	**ND**	0.050	EPA 8082A	3-17-15	3-17-15	
Aroclor 1232	**ND**	0.050	EPA 8082A	3-17-15	3-17-15	
Aroclor 1242	**ND**	0.050	EPA 8082A	3-17-15	3-17-15	
Aroclor 1248	**ND**	0.050	EPA 8082A	3-17-15	3-17-15	
Aroclor 1254	**ND**	0.050	EPA 8082A	3-17-15	3-17-15	
Aroclor 1260	**ND**	0.050	EPA 8082A	3-17-15	3-17-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*104*	*55-140*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-115-04										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.443**	**0.442**	0.500	0.500	ND	**89**	**88**	46-136	0	17	
Surrogate:											
DCB						*89*	*89*	*55-140*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 18, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-249B
Project: SE14161100

% MOISTURE

Date Analyzed: 3-17-15

Client ID	Lab ID	% Moisture
KM-15-B08-91	02-249-104	19

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody Record

Onsite Environmental

02-249

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 1 of 15
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Archive	PCBs	% Moisture	Sample Specific Notes:
1	KM15-B08-Dup-1	2/26/2015	1500	Comp	Soil	1				X	X	
2	KM15-B08-1	2/26/2015	1507	grab	Soil	1			X			
3	KM-15-B08-2	2/26/2015	1508	grab	Soil	1			X			
4	KM-15-B08-3	2/26/2015	1509	grab	Soil	1			X			
5	KM-15-B08-4	2/26/2015	1510	grab	Soil	1			X			
6	KM-15-B08-5	2/26/2015	1511	grab	Soil	1			X			
7	KM-15-B08-6	2/26/2015	1512	grab	Soil	1			X			(X) Added 3/16/15 DB (2 day TAT)
8	KM-15-B08-7	2/26/2015	1513	grab	Soil	1			X			
9	KM-15-B08-8	2/26/2015	1514	grab	Soil	1			X			
10	KM-15-B08-9	2/26/2015	1515	grab	Soil	1			X			
11	KM-15-B08-10	2/26/2015	1516	grab	Soil	1			X			
12	KM-15-B08-11	2/26/2015	1517	grab	Soil	1			X			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

2115

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd:_____ Corr'd:_____	Therm ID No.:_____

	Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
1		amec	2/26/15			
2	~~Relinquished~~ Reid	EPEDY	2/27/15			
3		EPEDY	2/27/15 1040	Received in Laboratory by:	ONE	2/27/15 1040

Chain of Custody Record

Onsite Environmental

02-249

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 2 of 15
600 University St., Suite 600	**Analysis Turnaround Time**			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			**For Lab Use Only:**
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Archive	PCBs	Sample Specific Notes:
13	KM-15-B08-12	2/26/2015	1518	~~grab~~ Comp	Soil	1			X		
14	KM-15-B08-13	2/26/2015	1519	grab	Soil	1			X		
15	KM-15-B08-14	2/26/2015	1520	grab	Soil	1			X		
16	KM-15-B08-15	2/26/2015	1521	grab	Soil	1			X		
17	KM-15-B08-16	2/26/2015	1522	grab	Soil	1			X		
18	KM-15-B08-17	2/26/2015	1523	grab	Soil	1			X		
19	KM-15-B08-18	2/26/2015	1524	grab	Soil	1			X		
20	KM-15-B08-19	2/26/2015	1525	grab	Soil	1			X		
21	KM-15-B08-20	2/26/2015	1526	grab	Soil	1			X		
22	KM-15-B08-21	2/26/2015	1527	grab	Soil	1			X		
23	KM-15-B08-22	2/26/2015	1528	grab	Soil	1			X		
24	KM-15-B08-23	2/26/2015	1529	grab	Soil	1			X		

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

2115

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company: Amec	Date/Time: 2/26/15	Received by:	Company:	Date/Time:
Relinquished by: Rec'd:	Company: Spectrum	Date/Time: 2/27/15 0830	Received by:	Company:	Date/Time:
Relinquished by:	Company: Spectrum	Date/Time: 0930 2/27/15	Received in Laboratory by:	Company: OSE	Date/Time: 2/27/15 1040

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

Chain of Custody Record

Onsite Environmental

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

02-249

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 3 of 15
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Archive	PCBs	Sample Specific Notes:
25	KM-15-B08-24	2/26/2015	1530	~~grab~~ Comp	Soil	1			X		
26	KM-15-B08-25	2/26/2015	1531	grab	Soil	1			X		
27	KM-15-B08-26	2/26/2015	1532	grab	Soil	1			X		
28	KM-15-B08-27	2/26/2015	1533	grab	Soil	1			X		
29	KM-15-B08-28	2/26/2015	1534	grab	Soil	1			X		
30	KM-15-B08-29	2/26/2015	1535	grab	Soil	1			X		
31	KM-15-B08-30	2/26/2015	1536	grab	Soil	1			X		
32	KM-15-B08-31	2/26/2015	1537	grab	Soil	1			X		
33	KM-15-B08-32	2/26/2015	1538	grab	Soil	1			X		
34	KM-15-B08-33	2/26/2015	1539	grab	Soil	1			X		
35	KM-15-B08-34	2/26/2015	1540	grab	Soil	1			X		
36	KM-15-B08-35	2/26/2015	1541	grab	Soil	1			X		

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

2/15

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: Amec	Date/Time: 2/26/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: GPCD	Date/Time: 2/27/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: GPCD	Date/Time: 2/27/15 1040	Received in Laboratory by:	Company: OSE	Date/Time: 2/27/15 1040

Chain of Custody Record

Onsite Environmental

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other: 02-249

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 4 of 15
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			Job / SDG No.:
Site: Former Kelly-Moore	☑ 2 days			
P O #: 16110	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Archive	PCBs	Sample Specific Notes:
37	KM-15-B08-36	2/26/2015	1542	~~Comp~~ grab	Soil	1			X		
38	KM-15-B08-37	2/26/2015	1543	grab	Soil	1			X		
39	KM-15-B08-38	2/26/2015	1544	grab	Soil	1			X		
40	KM-15-B08-39	2/26/2015	1545	grab	Soil	1			X		
41	KM-15-B08-40	2/26/2015	1546	grab	Soil	1			X		
42	KM-15-B08-41	2/26/2015	1547	grab	Soil	1			X		
43	KM-15-B08-42	2/26/2015	1548	grab	Soil	1			X		
44	KM-15-B08-43	2/26/2015	1549	grab	Soil	1			X		
45	KM-15-B08-44	2/26/2015	1550	grab	Soil	1			X		
46	KM-15-B08-45	2/26/2015	1551	grab	Soil	1			X		
47	KM-15-B08-46	2/26/2015	1552	grab	Soil	1			X		
48	KM-15-B08-47	2/26/2015	1553	grab	Soil	1			X		

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

2115

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: Amec	Date/Time: 2/26/15	Received by:	Company:	Date/Time:
~~Relinquished~~ Received by:	Company: Speedy	Date/Time: 2/27/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: Speedy	Date/Time: 2/27/15 1030	Received in Laboratory by:	Company: OSE	Date/Time: 2/27/15 1040

Chain of Custody Record

Onsite Environmental

02-249

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 6 of 15
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Archive	PCBs	Sample Specific Notes:
61	KM-15-B08-48	2/26/2015	1554	grab	Soil	1			X		
62	KM-15-B08-49	2/26/2015	1555	grab	Soil	1			X		
63	KM-15-B08-50	2/26/2015	1556	grab	Soil	1			X		
64	KM-15-B08-51	2/26/2015	1557	grab	Soil	1			X		
65	KM-15-B08-52	2/26/2015	1558	grab	Soil	1			X		
66	KM-15-B08-53	2/26/2015	1559	grab	Soil	1			X		
67	KM-15-B08-54	2/26/2015	1600	grab	Soil	1			X		
68	KM-15-B08-55	2/26/2015	1601	grab	Soil	1			X		
69	KM-15-B08-56	2/26/2015	1602	grab	Soil	1			X		
70	KM-15-B08-57	2/26/2015	1603	grab	Soil	1			X		
71	KM-15-B08-58	2/26/2015	1604	grab	Soil	1			X		
72	KM-15-B08-59	2/26/2015	1605	grab	Soil	1			X		

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

2115

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: Amec	Date/Time: 2/26/15	Received by:	Company:	Date/Time:
Relinquished by: Reid	Company: GPCD-1	Date/Time: 2/27/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: SPECD4	Date/Time: 1037 2/27/15	Received in Laboratory by:	Company: OSE	Date/Time: 2/27/15 1040

Chain of Custody Record

Onsite Environmental

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other: 02-249

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 7 of 15
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Archive	PCBs	Sample Specific Notes:
73	KM-15-B08-60	2/26/2015	1606	grab	Soil	1			X		
74	KM-15-B08-61	2/26/2015	1607	grab	Soil	1			X		
75	KM-15-B08-62	2/26/2015	1608	grab	Soil	1			X		
76	KM-15-B08-63	2/26/2015	1609	grab	Soil	1			X		
77	KM-15-B08-64	2/26/2015	1610	grab	Soil	1			X		
78	KM-15-B08-65	2/26/2015	1611	grab	Soil	1			X		
79	KM-15-B08-66	2/26/2015	1612	grab	Soil	1			X		
80	KM-15-B08-67	2/26/2015	1613	grab	Soil	1			X		
81	KM-15-B08-68	2/26/2015	1614	grab	Soil	1			X		
82	KM-15-B08-69	2/26/2015	1615	grab	Soil	1			X		
83	KM-15-B08-70	2/26/2015	1616	grab	Soil	1			X		
84	KM-15-B08-71	2/26/2015	1617	grab	Soil	1			X		

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

2/15

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: Amec	Date/Time: 2/26/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: FedEx	Date/Time: 2/27/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: Speedy	Date/Time: 2/27/15	Received in Laboratory by:	Company: OE	Date/Time: 2/27/15 1040

Chain of Custody Record

Onsite Environmental

02-249

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 8 of 15
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			Job / SDG No.:
Site: Former Kelly-Moore	☑ 2 days			
P O #: 16110	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Archive	PCBs	Sample Specific Notes:
85	KM-15-B08-72	2/26/2015	1618	grab	Soil	1			X		
86	KM-15-B08-73	2/26/2015	1619	grab	Soil	1			X		
87	KM-15-B08-74	2/26/2015	1620	grab	Soil	1			X		
88	KM-15-B08-75	2/26/2015	1621	grab	Soil	1			X		
89	KM-15-B08-76	2/26/2015	1622	grab	Soil	1			X		
90	KM-15-B08-77	2/26/2015	1623	grab	Soil	1			X		
91	KM-15-B08-78	2/26/2015	1624	grab	Soil	1			X		
92	KM-15-B08-79	2/26/2015	1625	grab	Soil	1			X		
93	KM-15-B08-80	2/26/2015	1626	grab	Soil	1			X		
94	KM-15-B08-81	2/26/2015	1627	grab	Soil	1			X		
95	KM-15-B08-82	2/26/2015	1628	grab	Soil	1			X		
96	KM-15-B08-83	2/26/2015	1629	grab	Soil	1			X		

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

2.15

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company: Amec	Date/Time: 2/26/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: SPrague	Date/Time: 2/27/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: SPrague	Date/Time: 2/27/15	Received in Laboratory by:	Company: OSE	Date/Time: 2/27/15 1040

Chain of Custody Record

Onsite Environmental

02-249

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 3 of 15
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Archive	PCBs	% Moisture	Sample Specific Notes:
97 KM-15-B08-84	2/26/2015	1630	grab	Soil	1			X			
98 KM-15-B08-85	2/26/2015	1631	grab	Soil	1			X			
99 KM-15-B08-86	2/26/2015	1632	grab	Soil	1			X			
100 KM-15-B08-87	2/26/2015	1633	grab	Soil	1			X			
101 KM-15-B08-88	2/26/2015	1634	grab	Soil	1			X			
102 KM-15-B08-89	2/26/2015	1635	grab	Soil	1			X			
103 KM-15-B08-90	2/26/2015	1636	grab	Soil	1			X			
104 KM-15-B08-91	2/26/2015	1637	grab	Soil	1			X	X	X	
105 KM-15-B08-92	2/26/2015	1638	grab	Soil	1			X			
106 KM-15-B08-93	2/26/2015	1639	grab	Soil	1			X			
107 KM-15-B08-94	2/26/2015	1640	grab	Soil	1			X			
108 KM-15-B08-95	2/26/2015	1641	grab	Soil	1			X			

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

2.15

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: Amec	Date/Time: 2/26/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: SPECTRA	Date/Time: 2/27/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: SPECTRA	Date/Time: 2/27/15	Received in Laboratory by:	Company: ONSITE	Date/Time: 2/27/15 1040

Chain of Custody Record

Onsite Environmental

02-249

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 10 of 15
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			Job / SDG No.:
Site: Former Kelly-Moore	☑ 2 days			
P O #: 16110	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Archive	PCBs	Sample Specific Notes:
109	KM-15-B08-96	2/26/2015	1642	grab	Soil	1			X		
110	KM-15-B08-97	2/26/2015	1643	grab	Soil	1			X		
111	KM-15-B08-98	2/26/2015	1644	grab	Soil	1			X		
112	KM-15-B08-99	2/26/2015	1645	grab	Soil	1			X		
113	KM-15-B08-100	2/26/2015	1646	grab	Soil	1			X		
114	KM-15-B08-101	2/26/2015	1647	grab	Soil	1			X		
115	KM-15-B08-102	2/26/2015	1648	grab	Soil	1			X		
116	KM-15-B08-103	2/26/2015	1649	grab	Soil	1			X		
117	KM-15-B08-104	2/26/2015	1650	grab	Soil	1			X		
118	KM-15-B08-105	2/26/2015	1651	grab	Soil	1			X		
119	KM-15-B08-106	2/26/2015	1652	grab	Soil	1			X		
120	KM-15-B08-107	2/26/2015	1653	grab	Soil	1			X		

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

2.15

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company: Amec	Date/Time: 2/26/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: Spectra	Date/Time: 2/27/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: Spectra	Date/Time: 2/27/15	Received in Laboratory by:	Company: ONE	Date/Time: 2/27/15 1040

Chain of Custody Record

Onsite Environmental

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other: 02-249

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 11 of 15
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Archive	PCBs	Sample Specific Notes:
121	KM-15-B08-108	2/26/2015	1654	grab	Soil	1			X		
122	KM-15-B08-109	2/26/2015	1655	grab	Soil	1			X		
123	KM-15-B08-110	2/26/2015	1656	grab	Soil	1			X		
124	KM-15-B08-111	2/26/2015	1657	grab	Soil	1			X		
125	KM-15-B08-112	2/26/2015	1658	grab	Soil	1			X		
126	KM-15-B08-113	2/26/2015	1659	grab	Soil	1			X		
127	KM-15-B08-114	2/26/2015	1700	grab	Soil	1			X		
128	KM-15-B08-115	2/26/2015	1701	grab	Soil	1			X		
129	KM-15-B08-116	2/26/2015	1702	grab	Soil	1			X		
130	KM-15-B08-117	2/26/2015	1703	grab	Soil	1			X		
131	KM-15-B08-118	2/26/2015	1704	grab	Soil	1			X		
132	KM-15-B08-119	2/26/2015	1705	grab	Soil	1			X		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

2115

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____		
Relinquished by:	Company: Amec	Date/Time: 2/26/15	Received by:	Company:	Date/Time:
Relinquished by: Reid	Company: SPECTRA	Date/Time: 2/27/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: SPECTRA	Date/Time: 2/27/15	Received in Laboratory by:	Company: ONE	Date/Time: 2/27/15 1040

Chain of Custody Record

Onsite Environmental

02-249

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 12 of 15
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Archive	PCBs	Sample Specific Notes:
133 KM-15-B08-120	2/26/2015	1706	grab	Soil	1			X		
134 KM-15-B08-121	2/26/2015	1707	grab	Soil	1			X		
135 KM-15-B08-122	2/26/2015	1708	grab	Soil	1			X		
136 KM-15-B08-123	2/26/2015	1709	grab	Soil	1			X		
137 KM-15-B08-124	2/26/2015	1710	grab	Soil	1			X		
138 KM-15-B08-125	2/26/2015	1711	grab	Soil	1			X		
139 KM-15-B08-126	2/26/2015	1712	grab	Soil	1			X		
140 KM-15-B08-127	2/26/2015	1713	grab	Soil	1			X		
141 KM-15-B08-128	2/26/2015	1714	grab	Soil	1			X		
142 KM-15-B08-129	2/26/2015	1715	grab	Soil	1			X		
143 KM-15-B08-130	2/26/2015	1716	grab	Soil	1			X		
144 KM-15-B08-131	2/26/2015	1717	grab	Soil	1			X		

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

2.15

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____		
Relinquished by:	Company: Amec	Date/Time: 2/26/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: GPerdy	Date/Time: 2/27/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: GPerdy	Date/Time: 2/27/15	Received in Laboratory by:	Company: OSC	Date/Time: 2/27/15 1040

Chain of Custody Record

Onsite Environmental

02-249

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 13 of 15
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Archive	PCBs	Sample Specific Notes:
145	KM-15-B08-132	2/26/2015	1718	grab	Soil	1			X		
146	KM-15-B08-133	2/26/2015	1719	grab	Soil	1			X		
147	KM-15-B08-134	2/26/2015	1720	grab	Soil	1			X		
148	KM-15-B08-135	2/26/2015	1721	grab	Soil	1			X		
149	KM-15-B08-Comp-1	2/26/2015	1722	grab	Soil	1				X	
150	KM-15-B08-Comp-2	2/26/2015	1723	grab	Soil	1				X	
151	KM-15-B08-Comp-3	2/26/2015	1724	grab	Soil	1				X	
152	KM-15-B08-Comp-4	2/26/2015	1725	grab	Soil	1				X	
153	KM-15-B08-Comp-5	2/26/2015	1726	grab	Soil	1				X	
154	KM-15-B08-Comp-6	2/26/2015	1727	grab	Soil	1				X	
155	KM-15-B08-Comp-7	2/26/2015	1728	grab	Soil	1				X	
156	KM-15-B08-Comp-8	2/26/2015	1729	grab	Soil	1				X	

Soil Vapor

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

215

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: Amec	Date/Time: 2/26/15	Received by:	Company:	Date/Time:
Relinquished by: Reid	Company: Shannon	Date/Time: 2/27/15	Received by:	Company:	Date/Time:
Relinquished by:	Company: Shannon	Date/Time: 2/27/15	Received in Laboratory by:	Company: OSE	Date/Time: 2/27/15 1040

Chain of Custody Record

Onsite Environmental

02-249

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 14 of 15
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Archive	PCBs	96 Moisture	Sample Specific Notes:
157 KM-15-B08-Comp-9	2/26/2015	1730	grab	Soil	1				X		
158 KM-15-B08-Comp-10	2/26/2015	1731	grab	Soil	1				X		
159 KM-15-B08-Comp-11	2/26/2015	1732	grab	Soil	1				X		
160 KM-15-B08-Comp-12	2/26/2015	1733	grab	Soil	1				X		
161 KM-15-B08-Comp-13	2/26/2015	1734	grab	Soil	1				X		
162 KM-15-B08-Comp-14	2/26/2015	1735	grab	Soil	1				X		
163 KM-15-B08-Comp-15	2/26/2015	1736	grab	Soil	1				X		
164 KM-15-B08-Comp-16	2/26/2015	1737	grab	Soil	1				X		
165 KM-15-B08-Comp-17	2/26/2015	1738	grab	Soil	1				X		
166 KM-15-B08-Comp-18	2/26/2015	1739	grab	Soil	1				X		
167 KM-15-B08-Comp-19	2/26/2015	1740	grab	Soil	1				X		
168 KM-15-B08-Comp-20	2/26/2015	1741	grab	Soil	1				X		

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

2115

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Amec	2/26/15			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	SPECTRA	2/27/15			
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
	SPECTRA	2/27/15		ONSITE	2/27/15 1040

Chain of Custody Record

Onsite Environmental

02-249

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	Date: 2/26/15	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 15 of 15
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: New Core Dev. - Bldg 8 Sub Slab samples	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Archive	PCBs	8 moisture	Sample Specific Notes:
169 KM-15-B08-Comp-21	2/26/2015	1742	grab	Soil	1				X		
170 KM-15-B08-Comp-22	2/26/2015	1743	grab	Soil	1				X		
171 KM-15-B08-Comp-23	2/26/2015	1744	grab	Soil	1				X		
172 KM-15-B08-Comp-24	2/26/2015	1745	grab	Soil	1				X		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company:	Date/Time: 2/26/15	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time: 2/27/15	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time: 2/27/15	Received in Laboratory by:	Company:	Date/Time: 2/27/15 1040

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 12, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project NCD-B8 Sub Slab samples, round 2; 16110
Laboratory Reference No. 1503-068

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 9, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 12, 2015
Samples Submitted: March 9, 2015
Laboratory Reference: 1503-068
Project: NCD-B8 Sub Slab samples, round 2; 16110

Case Narrative

Samples were collected on March 5, 6, and 9, 2015 and received by the laboratory on March 9, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 12, 2015
Samples Submitted: March 9, 2015
Laboratory Reference: 1503-068
Project: NCD-B8 Sub Slab samples, round 2; 16110

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-15-B08-comp30**					
Laboratory ID:	03-068-47					
Aroclor 1016	**ND**	0.052	EPA 8082A	3-10-15	3-10-15	
Aroclor 1221	**ND**	0.052	EPA 8082A	3-10-15	3-10-15	
Aroclor 1232	**ND**	0.052	EPA 8082A	3-10-15	3-10-15	
Aroclor 1242	**ND**	0.052	EPA 8082A	3-10-15	3-10-15	
Aroclor 1248	**ND**	0.052	EPA 8082A	3-10-15	3-10-15	
Aroclor 1254	**ND**	0.052	EPA 8082A	3-10-15	3-10-15	
Aroclor 1260	**0.79**	0.052	EPA 8082A	3-10-15	3-10-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*104*	*55-140*				
Client ID:	**KM-15-B08-comp31**					
Laboratory ID:	03-068-48					
Aroclor 1016	**ND**	0.058	EPA 8082A	3-10-15	3-10-15	
Aroclor 1221	**ND**	0.058	EPA 8082A	3-10-15	3-10-15	
Aroclor 1232	**ND**	0.058	EPA 8082A	3-10-15	3-10-15	
Aroclor 1242	**ND**	0.058	EPA 8082A	3-10-15	3-10-15	
Aroclor 1248	**ND**	0.058	EPA 8082A	3-10-15	3-10-15	
Aroclor 1254	**ND**	0.058	EPA 8082A	3-10-15	3-10-15	
Aroclor 1260	**0.92**	0.058	EPA 8082A	3-10-15	3-10-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*102*	*55-140*				
Client ID:	**KM-15-B08-comp32**					
Laboratory ID:	03-068-49					
Aroclor 1016	**ND**	0.073	EPA 8082A	3-10-15	3-10-15	
Aroclor 1221	**ND**	0.073	EPA 8082A	3-10-15	3-10-15	
Aroclor 1232	**ND**	0.073	EPA 8082A	3-10-15	3-10-15	
Aroclor 1242	**ND**	0.073	EPA 8082A	3-10-15	3-10-15	
Aroclor 1248	**ND**	0.073	EPA 8082A	3-10-15	3-10-15	
Aroclor 1254	**ND**	0.073	EPA 8082A	3-10-15	3-10-15	
Aroclor 1260	**1.8**	0.073	EPA 8082A	3-10-15	3-10-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*104*	*55-140*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 12, 2015
Samples Submitted: March 9, 2015
Laboratory Reference: 1503-068
Project: NCD-B8 Sub Slab samples, round 2; 16110

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-15-B08-comp33**					
Laboratory ID:	03-068-50					
Aroclor 1016	**ND**	0.051	EPA 8082A	3-10-15	3-10-15	
Aroclor 1221	**ND**	0.051	EPA 8082A	3-10-15	3-10-15	
Aroclor 1232	**ND**	0.051	EPA 8082A	3-10-15	3-10-15	
Aroclor 1242	**ND**	0.051	EPA 8082A	3-10-15	3-10-15	
Aroclor 1248	**ND**	0.051	EPA 8082A	3-10-15	3-10-15	
Aroclor 1254	**ND**	0.051	EPA 8082A	3-10-15	3-10-15	
Aroclor 1260	**0.17**	0.051	EPA 8082A	3-10-15	3-10-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*89*	*55-140*				
Client ID:	**KM-15-B08-comp34**					
Laboratory ID:	03-068-51					
Aroclor 1016	**ND**	0.052	EPA 8082A	3-10-15	3-10-15	
Aroclor 1221	**ND**	0.052	EPA 8082A	3-10-15	3-10-15	
Aroclor 1232	**ND**	0.052	EPA 8082A	3-10-15	3-10-15	
Aroclor 1242	**ND**	0.052	EPA 8082A	3-10-15	3-10-15	
Aroclor 1248	**ND**	0.052	EPA 8082A	3-10-15	3-10-15	
Aroclor 1254	**ND**	0.052	EPA 8082A	3-10-15	3-10-15	
Aroclor 1260	**0.60**	0.052	EPA 8082A	3-10-15	3-10-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*89*	*55-140*				
Client ID:	**KM-15-B08-comp35**					
Laboratory ID:	03-068-52					
Aroclor 1016	**ND**	0.052	EPA 8082A	3-10-15	3-10-15	
Aroclor 1221	**ND**	0.052	EPA 8082A	3-10-15	3-10-15	
Aroclor 1232	**ND**	0.052	EPA 8082A	3-10-15	3-10-15	
Aroclor 1242	**ND**	0.052	EPA 8082A	3-10-15	3-10-15	
Aroclor 1248	**ND**	0.052	EPA 8082A	3-10-15	3-10-15	
Aroclor 1254	**ND**	0.052	EPA 8082A	3-10-15	3-10-15	
Aroclor 1260	**0.16**	0.052	EPA 8082A	3-10-15	3-10-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*104*	*55-140*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 12, 2015
Samples Submitted: March 9, 2015
Laboratory Reference: 1503-068
Project: NCD-B8 Sub Slab samples, round 2; 16110

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-15-B08-comp36**					
Laboratory ID:	03-068-53					
Aroclor 1016	**ND**	0.066	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1221	**ND**	0.066	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1232	**ND**	0.066	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1242	**ND**	0.066	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1248	**ND**	0.066	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1254	**ND**	0.066	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1260	**0.54**	0.066	EPA 8082A	3-10-15	3-11-15	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*95*	*55-140*				
Client ID:	**KM-15-B08-comp37**					
Laboratory ID:	03-068-54					
Aroclor 1016	**ND**	0.065	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1221	**ND**	0.065	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1232	**ND**	0.065	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1242	**ND**	0.065	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1248	**ND**	0.065	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1254	**ND**	0.065	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1260	**0.10**	0.065	EPA 8082A	3-10-15	3-11-15	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*99*	*55-140*				
Client ID:	**KM-15-B08-comp41**					
Laboratory ID:	03-068-68					
Aroclor 1016	**ND**	1.2	EPA 8082A	3-10-15	3-11-15	
Aroclor 1221	**ND**	1.2	EPA 8082A	3-10-15	3-11-15	
Aroclor 1232	**ND**	1.2	EPA 8082A	3-10-15	3-11-15	
Aroclor 1242	**ND**	1.2	EPA 8082A	3-10-15	3-11-15	
Aroclor 1248	**ND**	1.2	EPA 8082A	3-10-15	3-11-15	
Aroclor 1254	**ND**	1.2	EPA 8082A	3-10-15	3-11-15	
Aroclor 1260	**8.1**	1.2	EPA 8082A	3-10-15	3-11-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*---*	*55-140*				S

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Date of Report: March 12, 2015
Samples Submitted: March 9, 2015
Laboratory Reference: 1503-068
Project: NCD-B8 Sub Slab samples, round 2; 16110

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-15-B08-comp40**					
Laboratory ID:	03-068-69					
Aroclor 1016	**ND**	0.061	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1221	**ND**	0.061	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1232	**ND**	0.061	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1242	**ND**	0.061	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1248	**ND**	0.061	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1254	**ND**	0.061	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1260	**1.8**	0.061	EPA 8082A	3-10-15	3-11-15	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*103*	*55-140*				
Client ID:	**KM-15-B08-comp39**					
Laboratory ID:	03-068-70					
Aroclor 1016	**ND**	0.062	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1221	**ND**	0.062	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1232	**ND**	0.062	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1242	**ND**	0.062	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1248	**ND**	0.062	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1254	**ND**	0.062	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1260	**1.7**	0.062	EPA 8082A	3-10-15	3-11-15	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*103*	*55-140*				
Client ID:	**KM-15-B08-comp38**					
Laboratory ID:	03-068-71					
Aroclor 1016	**ND**	0.064	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1221	**ND**	0.064	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1232	**ND**	0.064	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1242	**ND**	0.064	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1248	**ND**	0.064	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1254	**ND**	0.064	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1260	**0.14**	0.064	EPA 8082A	3-10-15	3-11-15	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*93*	*55-140*				

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Date of Report: March 12, 2015
Samples Submitted: March 9, 2015
Laboratory Reference: 1503-068
Project: NCD-B8 Sub Slab samples, round 2; 16110

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-15-B08-comp42**					
Laboratory ID:	03-068-95					
Aroclor 1016	**ND**	0.053	EPA 8082A	3-10-15	3-10-15	
Aroclor 1221	**ND**	0.053	EPA 8082A	3-10-15	3-10-15	
Aroclor 1232	**ND**	0.053	EPA 8082A	3-10-15	3-10-15	
Aroclor 1242	**ND**	0.053	EPA 8082A	3-10-15	3-10-15	
Aroclor 1248	**ND**	0.053	EPA 8082A	3-10-15	3-10-15	
Aroclor 1254	**ND**	0.053	EPA 8082A	3-10-15	3-10-15	
Aroclor 1260	**0.73**	0.053	EPA 8082A	3-10-15	3-10-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*101*	*55-140*				
Client ID:	**KM-15-B08-comp43**					
Laboratory ID:	03-068-96					
Aroclor 1016	**ND**	0.061	EPA 8082A	3-10-15	3-10-15	
Aroclor 1221	**ND**	0.061	EPA 8082A	3-10-15	3-10-15	
Aroclor 1232	**ND**	0.061	EPA 8082A	3-10-15	3-10-15	
Aroclor 1242	**ND**	0.061	EPA 8082A	3-10-15	3-10-15	
Aroclor 1248	**ND**	0.061	EPA 8082A	3-10-15	3-10-15	
Aroclor 1254	**ND**	0.061	EPA 8082A	3-10-15	3-10-15	
Aroclor 1260	**0.38**	0.061	EPA 8082A	3-10-15	3-10-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*87*	*55-140*				
Client ID:	**KM-15-B08-comp44**					
Laboratory ID:	03-068-97					
Aroclor 1016	**ND**	0.053	EPA 8082A	3-10-15	3-10-15	
Aroclor 1221	**ND**	0.053	EPA 8082A	3-10-15	3-10-15	
Aroclor 1232	**ND**	0.053	EPA 8082A	3-10-15	3-10-15	
Aroclor 1242	**ND**	0.053	EPA 8082A	3-10-15	3-10-15	
Aroclor 1248	**ND**	0.053	EPA 8082A	3-10-15	3-10-15	
Aroclor 1254	**ND**	0.053	EPA 8082A	3-10-15	3-10-15	
Aroclor 1260	**0.57**	0.053	EPA 8082A	3-10-15	3-10-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*103*	*55-140*				

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Date of Report: March 12, 2015
Samples Submitted: March 9, 2015
Laboratory Reference: 1503-068
Project: NCD-B8 Sub Slab samples, round 2; 16110

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-15-B08-comp45**					
Laboratory ID:	03-068-98					
Aroclor 1016	**ND**	0.052	EPA 8082A	3-10-15	3-10-15	
Aroclor 1221	**ND**	0.052	EPA 8082A	3-10-15	3-10-15	
Aroclor 1232	**ND**	0.052	EPA 8082A	3-10-15	3-10-15	
Aroclor 1242	**ND**	0.052	EPA 8082A	3-10-15	3-10-15	
Aroclor 1248	**ND**	0.052	EPA 8082A	3-10-15	3-10-15	
Aroclor 1254	**ND**	0.052	EPA 8082A	3-10-15	3-10-15	
Aroclor 1260	**0.12**	0.052	EPA 8082A	3-10-15	3-10-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*93*	*55-140*				
Client ID:	**KM-15-B08-comp46**					
Laboratory ID:	03-068-99					
Aroclor 1016	**ND**	0.053	EPA 8082A	3-10-15	3-10-15	
Aroclor 1221	**ND**	0.053	EPA 8082A	3-10-15	3-10-15	
Aroclor 1232	**ND**	0.053	EPA 8082A	3-10-15	3-10-15	
Aroclor 1242	**ND**	0.053	EPA 8082A	3-10-15	3-10-15	
Aroclor 1248	**ND**	0.053	EPA 8082A	3-10-15	3-10-15	
Aroclor 1254	**ND**	0.053	EPA 8082A	3-10-15	3-10-15	
Aroclor 1260	**0.17**	0.053	EPA 8082A	3-10-15	3-10-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*95*	*55-140*				
Client ID:	**KM-15-B08-comp47**					
Laboratory ID:	03-068-121					
Aroclor 1016	**ND**	0.065	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1221	**ND**	0.065	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1232	**ND**	0.065	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1242	**ND**	0.065	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1248	**ND**	0.065	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1254	**ND**	0.065	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1260	**ND**	0.065	EPA 8082A	3-10-15	3-11-15	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*92*	*55-140*				

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Date of Report: March 12, 2015
Samples Submitted: March 9, 2015
Laboratory Reference: 1503-068
Project: NCD-B8 Sub Slab samples, round 2; 16110

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-15-B08-comp48**					
Laboratory ID:	03-068-122					
Aroclor 1016	**ND**	0.065	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1221	**ND**	0.065	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1232	**ND**	0.065	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1242	**ND**	0.065	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1248	**ND**	0.065	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1254	**ND**	0.065	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1260	**0.065**	0.065	EPA 8082A	3-10-15	3-11-15	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*86*	*55-140*				
Client ID:	**KM-15-B08-comp49**					
Laboratory ID:	03-068-123					
Aroclor 1016	**ND**	0.067	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1221	**ND**	0.067	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1232	**ND**	0.067	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1242	**ND**	0.067	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1248	**ND**	0.067	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1254	**ND**	0.067	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1260	**0.077**	0.067	EPA 8082A	3-10-15	3-11-15	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*84*	*55-140*				
Client ID:	**KM-15-B08-comp50**					
Laboratory ID:	03-068-124					
Aroclor 1016	**ND**	0.072	EPA 8082A	3-10-15	1-0-00	X
Aroclor 1221	**ND**	0.072	EPA 8082A	3-10-15	1-0-00	X
Aroclor 1232	**ND**	0.072	EPA 8082A	3-10-15	1-0-00	X
Aroclor 1242	**ND**	0.072	EPA 8082A	3-10-15	1-0-00	X
Aroclor 1248	**ND**	0.072	EPA 8082A	3-10-15	1-0-00	X
Aroclor 1254	**ND**	0.072	EPA 8082A	3-10-15	1-0-00	X
Aroclor 1260	**ND**	0.072	EPA 8082A	3-10-15	1-0-00	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*90*	*55-140*				

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Date of Report: March 12, 2015
Samples Submitted: March 9, 2015
Laboratory Reference: 1503-068
Project: NCD-B8 Sub Slab samples, round 2; 16110

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-15-B08-comp51**					
Laboratory ID:	03-068-125					
Aroclor 1016	**ND**	0.055	EPA 8082A	3-10-15	3-10-15	
Aroclor 1221	**ND**	0.055	EPA 8082A	3-10-15	3-10-15	
Aroclor 1232	**ND**	0.055	EPA 8082A	3-10-15	3-10-15	
Aroclor 1242	**ND**	0.055	EPA 8082A	3-10-15	3-10-15	
Aroclor 1248	**ND**	0.055	EPA 8082A	3-10-15	3-10-15	
Aroclor 1254	**ND**	0.055	EPA 8082A	3-10-15	3-10-15	
Aroclor 1260	**0.34**	0.055	EPA 8082A	3-10-15	3-10-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*101*	*55-140*				
Client ID:	**KM-15-B08-comp52**					
Laboratory ID:	03-068-126					
Aroclor 1016	**ND**	0.053	EPA 8082A	3-10-15	3-11-15	
Aroclor 1221	**ND**	0.053	EPA 8082A	3-10-15	3-11-15	
Aroclor 1232	**ND**	0.053	EPA 8082A	3-10-15	3-11-15	
Aroclor 1242	**ND**	0.053	EPA 8082A	3-10-15	3-11-15	
Aroclor 1248	**ND**	0.053	EPA 8082A	3-10-15	3-11-15	
Aroclor 1254	**ND**	0.053	EPA 8082A	3-10-15	3-11-15	
Aroclor 1260	**0.14**	0.053	EPA 8082A	3-10-15	3-11-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*104*	*55-140*				
Client ID:	**KM-15-B08-comp53**					
Laboratory ID:	03-068-127					
Aroclor 1016	**ND**	0.053	EPA 8082A	3-10-15	3-11-15	
Aroclor 1221	**ND**	0.053	EPA 8082A	3-10-15	3-11-15	
Aroclor 1232	**ND**	0.053	EPA 8082A	3-10-15	3-11-15	
Aroclor 1242	**ND**	0.053	EPA 8082A	3-10-15	3-11-15	
Aroclor 1248	**ND**	0.053	EPA 8082A	3-10-15	3-11-15	
Aroclor 1254	**ND**	0.053	EPA 8082A	3-10-15	3-11-15	
Aroclor 1260	**0.10**	0.053	EPA 8082A	3-10-15	3-11-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*99*	*55-140*				

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Date of Report: March 12, 2015
Samples Submitted: March 9, 2015
Laboratory Reference: 1503-068
Project: NCD-B8 Sub Slab samples, round 2; 16110

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-15-B08-comp26**					
Laboratory ID:	03-068-128					
Aroclor 1016	**ND**	0.073	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1221	**ND**	0.073	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1232	**ND**	0.073	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1242	**ND**	0.073	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1248	**ND**	0.073	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1254	**ND**	0.073	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1260	**ND**	0.073	EPA 8082A	3-10-15	3-11-15	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*98*	*55-140*				
Client ID:	**KM-15-B08-comp25**					
Laboratory ID:	03-068-130					
Aroclor 1016	**ND**	0.067	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1221	**ND**	0.067	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1232	**ND**	0.067	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1242	**ND**	0.067	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1248	**ND**	0.067	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1254	**ND**	0.067	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1260	**ND**	0.067	EPA 8082A	3-10-15	3-11-15	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*104*	*55-140*				
Client ID:	**KM-15-B08-comp27**					
Laboratory ID:	03-068-132					
Aroclor 1016	**ND**	0.065	EPA 8082A	3-10-15	3-11-15	
Aroclor 1221	**ND**	0.065	EPA 8082A	3-10-15	3-11-15	
Aroclor 1232	**ND**	0.065	EPA 8082A	3-10-15	3-11-15	
Aroclor 1242	**ND**	0.065	EPA 8082A	3-10-15	3-11-15	
Aroclor 1248	**ND**	0.065	EPA 8082A	3-10-15	3-11-15	
Aroclor 1254	**ND**	0.065	EPA 8082A	3-10-15	3-11-15	
Aroclor 1260	**0.33**	0.065	EPA 8082A	3-10-15	3-11-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*103*	*55-140*				

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Date of Report: March 12, 2015
Samples Submitted: March 9, 2015
Laboratory Reference: 1503-068
Project: NCD-B8 Sub Slab samples, round 2; 16110

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-15-B08-comp28**					
Laboratory ID:	03-068-133					
Aroclor 1016	**ND**	0.062	EPA 8082A	3-10-15	3-11-15	
Aroclor 1221	**ND**	0.062	EPA 8082A	3-10-15	3-11-15	
Aroclor 1232	**ND**	0.062	EPA 8082A	3-10-15	3-11-15	
Aroclor 1242	**ND**	0.062	EPA 8082A	3-10-15	3-11-15	
Aroclor 1248	**ND**	0.062	EPA 8082A	3-10-15	3-11-15	
Aroclor 1254	**ND**	0.062	EPA 8082A	3-10-15	3-11-15	
Aroclor 1260	**0.11**	0.062	EPA 8082A	3-10-15	3-11-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*100*	*55-140*				
Client ID:	**KM-15-B08-comp29**					
Laboratory ID:	03-068-134					
Aroclor 1016	**ND**	0.064	EPA 8082A	3-10-15	3-11-15	
Aroclor 1221	**ND**	0.064	EPA 8082A	3-10-15	3-11-15	
Aroclor 1232	**ND**	0.064	EPA 8082A	3-10-15	3-11-15	
Aroclor 1242	**ND**	0.064	EPA 8082A	3-10-15	3-11-15	
Aroclor 1248	**ND**	0.064	EPA 8082A	3-10-15	3-11-15	
Aroclor 1254	**ND**	0.064	EPA 8082A	3-10-15	3-11-15	
Aroclor 1260	**1.3**	0.064	EPA 8082A	3-10-15	3-11-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*100*	*55-140*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 12, 2015
Samples Submitted: March 9, 2015
Laboratory Reference: 1503-068
Project: NCD-B8 Sub Slab samples, round 2; 16110

PCBs EPA 8082A
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0310S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1221	**ND**	0.050	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1232	**ND**	0.050	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1242	**ND**	0.050	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1248	**ND**	0.050	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1254	**ND**	0.050	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1260	**ND**	0.050	EPA 8082A	3-10-15	3-11-15	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*103*	*55-140*				
Laboratory ID:	MB0310S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	3-10-15	3-10-15	
Aroclor 1221	**ND**	0.050	EPA 8082A	3-10-15	3-10-15	
Aroclor 1232	**ND**	0.050	EPA 8082A	3-10-15	3-10-15	
Aroclor 1242	**ND**	0.050	EPA 8082A	3-10-15	3-10-15	
Aroclor 1248	**ND**	0.050	EPA 8082A	3-10-15	3-10-15	
Aroclor 1254	**ND**	0.050	EPA 8082A	3-10-15	3-10-15	
Aroclor 1260	**ND**	0.050	EPA 8082A	3-10-15	3-10-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*96*	*55-140*				
Laboratory ID:	MB0310S2					
Aroclor 1016	**ND**	0.050	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1221	**ND**	0.050	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1232	**ND**	0.050	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1242	**ND**	0.050	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1248	**ND**	0.050	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1254	**ND**	0.050	EPA 8082A	3-10-15	3-11-15	X
Aroclor 1260	**ND**	0.050	EPA 8082A	3-10-15	3-11-15	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*101*	*55-140*				
Laboratory ID:	MB0310S2					
Aroclor 1016	**ND**	0.050	EPA 8082A	3-10-15	3-10-15	
Aroclor 1221	**ND**	0.050	EPA 8082A	3-10-15	3-10-15	
Aroclor 1232	**ND**	0.050	EPA 8082A	3-10-15	3-10-15	
Aroclor 1242	**ND**	0.050	EPA 8082A	3-10-15	3-10-15	
Aroclor 1248	**ND**	0.050	EPA 8082A	3-10-15	3-10-15	
Aroclor 1254	**ND**	0.050	EPA 8082A	3-10-15	3-10-15	
Aroclor 1260	**ND**	0.050	EPA 8082A	3-10-15	3-10-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*94*	*55-140*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 12, 2015
Samples Submitted: March 9, 2015
Laboratory Reference: 1503-068
Project: NCD-B8 Sub Slab samples, round 2; 16110

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0310S1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.412**	**0.389**	0.500	0.500	N/A	**82**	**78**	64-127	6	11	
Surrogate:											
DCB						*103*	*102*	*55-140*			
Laboratory ID:	SB0310S2										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.477**	**0.470**	0.500	0.500	N/A	**95**	**94**	64-127	1	11	
Surrogate:											
DCB						*96*	*94*	*55-140*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 12, 2015
Samples Submitted: March 9, 2015
Laboratory Reference: 1503-068
Project: NCD-B8 Sub Slab samples, round 2; 16110

% MOISTURE

Date Analyzed: 3-10-15

Client ID	Lab ID	% Moisture
KM-15-B08-comp30	03-068-47	5
KM-15-B08-comp31	03-068-48	13
KM-15-B08-comp32	03-068-49	31
KM-15-B08-comp33	03-068-50	2
KM-15-B08-comp34	03-068-51	5
KM-15-B08-comp35	03-068-52	5
KM-15-B08-comp36	03-068-53	24
KM-15-B08-comp37	03-068-54	23
KM-15-B08-comp41	03-068-68	19
KM-15-B08-comp40	03-068-69	19
KM-15-B08-comp39	03-068-70	19
KM-15-B08-comp38	03-068-71	21
KM-15-B08-comp42	03-068-95	5
KM-15-B08-comp43	03-068-96	19
KM-15-B08-comp44	03-068-97	5
KM-15-B08-comp45	03-068-98	5
KM-15-B08-comp46	03-068-99	5
KM-15-B08-comp47	03-068-121	23
KM-15-B08-comp48	03-068-122	23
KM-15-B08-comp49	03-068-123	26
KM-15-B08-comp50	03-068-124	31
KM-15-B08-comp51	03-068-125	9
KM-15-B08-comp52	03-068-126	5
KM-15-B08-comp53	03-068-127	6
KM-15-B08-comp26	03-068-128	31
KM-15-B08-comp25	03-068-130	25
KM-15-B08-comp27	03-068-132	23
KM-15-B08-comp28	03-068-133	20
KM-15-B08-comp29	03-068-134	22

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody Record

Onsite Environmental

03-068

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	3/5/2015	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 1 of 12
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: NCD - B8 Sub Slab samples, round 2	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Archive	PCBs	% moisture	Sample Specific Notes:
1 KM15-B08-136	3/5/2015	1340	Grab Comp	Soil	1			X			
2 KM15-B08-137	3/5/2015	1341	grab	Soil	1			X			
3 KM15-B08-138	3/5/2015	1342	grab	Soil	1			X			
4 KM15-B08-139	3/5/2015	1343	grab	Soil	1			X			
~~KM-15-B08-comp25~~	~~3/5/2015~~	~~1344~~	~~grab~~	~~Soil~~	~~1~~				X		SB 3/9/16
5 KM-15-B08-140	3/6/2015	0840	grab	Soil	1			X			
6 KM-15-B08-141	3/6/2015	0841	grab	Soil	1			X			
7 KM-15-B08-142	3/6/2015	0842	grab	Soil	1			X			
8 KM-15-B08-143	3/6/2015	0843	grab	Soil	1			X			
9 KM-15-B08-144	3/6/2015	0844	grab	Soil	1			X			
10 KM-15-B08-145	3/6/2015	0845	grab	Soil	1			X			
11 KM-15-B08-146	3/6/2015	0846	grab	Soil	1			X			

SB 3/9/16

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

1400

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

	Company:	Date/Time:		Company:	Date/Time:
Relinquished by:	amec	3/9/15	Received by:	Spectrum	3/9/15 1200
Relinquished by:	Spectrum	3/9/15 1524	Received by:	OSE	3/9/15 1400
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Onsite Environmental

Chain of Custody Record

03-068

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	3/5/2015	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 2 of 12
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below ____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: NCD - B8 Sub Slab samples, round 2	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days NM 3/9			Job / SDG No.:
P O #: 16110	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Archive	PCBs	90 MOISTURE	Sample Specific Notes:
12	KM-15-B08-147	3/6/2015	0847	~~Comp~~ Grab	Soil	1			X			
13	KM-15-B08-148	3/6/2015	0848	grab	Soil	1			X			
14	KM-15-B08-149	3/6/2015	0849	grab	Soil	1			X			
15	KM-15-B08-150	3/6/2015	0850	grab	Soil	1			X			
16	KM-15-B08-151	3/6/2015	0851	grab	Soil	1			X			
	~~KM-15-B08-comp26~~	~~3/6/2015~~	~~0852~~	~~grab~~	~~Soil~~	~~1~~				~~X~~	SB 3/9	
	~~KM-15-B08-comp27~~	~~3/6/2015~~	~~0853~~	~~grab~~	~~Soil~~	~~1~~				~~X~~	SB 3/9	
	~~KM-15-B08-comp28~~	~~3/6/2015~~	~~0854~~	~~grab~~	~~Soil~~	~~1~~				~~X~~	SB 3/9	
17	KM-15-B08-1B	3/6/2015	1436	grab	Soil	1			X			
18	KM-15-B08-2B	3/6/2015	1437	grab	Soil	1			X			
19	KM-15-B08-3B	3/6/2015	1438	grab	Soil	1			X			
20	KM-15-B08-4B	3/6/2015	1439	grab	Soil	1			X			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____________

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for ________ Months

Special Instructions/QC Requirements & Comments:

1400

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: ______ Corr'd: ______		Therm ID No.: ______
Relinquished by: [signature]	Company: amec	Date/Time: 3/9/15	Received by: [signature]	Company: Speedy	Date/Time: 3/9/15 200
Relinquished by: [signature]	Company: Speedy	Date/Time: 3/9/15	Received by: [signature]	Company: OSE	Date/Time: 3/9/15 1436
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Chain of Custody Record

Onsite Environmental

03-068

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	3/5/2015	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 3 of 12
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: NCD - B8 Sub Slab samples, round 2	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days NM 3/9			Job / SDG No.:
P O #: 16110	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Archive	PCBs	Moisture	Sample Specific Notes:
21	KM-15-B08-5B	3/6/2015	1440	Grab Comp	Soil	1			X			
22	KM-15-B08-6B	3/6/2015	1441	grab	Soil	1			X			
23	KM-15-B08-7B	3/6/2015	1442	grab	Soil	1			X			
24	KM-15-B08-8B	3/6/2015	1443	grab	Soil	1			X			
25	KM-15-B08-9B	3/6/2015	1444	grab	Soil	1			X			
26	KM-15-B08-10B	3/6/2015	1445	grab	Soil	1			X			
27	KM-15-B08-11B	3/6/2015	1446	grab	Soil	1			X			
28	KM-15-B08-12B	3/6/2015	1447	grab	Soil	1			X			
29	KM-15-B08-13B	3/6/2015	1448	grab	Soil	1			X			
30	KM-15-B08-14B	3/6/2015	1449	grab	Soil	1			X			
31	KM-15-B08-15B	3/6/2015	1450	grab	Soil	1			X			
32	KM-15-B08-16B	3/6/2015	1451	grab	Soil	1			X			

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

1400

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

	Company:	Date/Time:		Company:	Date/Time:
Relinquished by:	Amec	3/9/15	Received by:	SPECTRUM	3/9/15
Relinquished by:	SPECTRUM	3/9/15	Received by:	OSE	3/9/15 1436
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Chain of Custody Record

Onsite Environmental

03-068

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	3/5/2015	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 4 of 12
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: NCD - B8 Sub Slab samples, round 2	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days NM 3/9/15			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Archive	PCBs	8260 Moisture	Sample Specific Notes:
33 KM-15-B08-17B	3/6/2015	1452	~~Grab~~ Comp	Soil	1			X			
34 KM-15-B08-21B	3/6/2015	1453	grab	Soil	1			X			
35 KM-15-B08-22B	3/6/2015	1454	grab	Soil	1			X			
36 KM-15-B08-23B	3/6/2015	1455	grab	Soil	1			X			
37 KM-15-B08-24B	3/6/2015	1456	grab	Soil	1			X			
38 KM-15-B08-28B	3/6/2015	1457	grab	Soil	1			X			
39 KM-15-B08-29B	3/6/2015	1458	grab	Soil	1			X			
40 KM-15-B08-30B	3/6/2015	1459	grab	Soil	1			X			
41 KM-15-B08-31B	3/6/2015	1500	grab	Soil	1			X			
42 KM-15-B08-35B	3/6/2015	1501	grab	Soil	1			X			
43 KM-15-B08-36B	3/6/2015	1502	grab	Soil	1			X			
44 KM-15-B08-37B	3/6/2015	1503	grab	Soil	1			X			

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

1400

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by:	Company: amec	Date/Time: 3/9/15	Received by:	Company: GP-D-1	Date/Time: 3/9/15
Relinquished by:	Company: GP-D-1	Date/Time: 3/9/15	Received by:	Company: OSG	Date/Time: 3/9/15 1436
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Chain of Custody Record

Onsite Environmental

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

03-068

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	3/5/2015	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 5 of 12
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: NCD - B8 Sub Slab samples, round 2	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days SB 3/9/15			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Archive	PCBs	% Moisture	Sample Specific Notes:
45 KM-15-B08-38B	3/6/2015	1504	~~Comp~~ grab	Soil	1			X			
46 KM-15-B08-42B	3/6/2015	1505	grab	Soil	1			X			
47 KM-15-B08-comp30	3/6/2015	1506	~~grab~~ comp	Soil	1				X	X	
48 KM-15-B08-comp31	3/6/2015	1507	~~grab~~ comp	Soil	1				X		
49 KM-15-B08-comp32	3/6/2015	1508	~~grab~~ C	Soil	1				X		
50 KM-15-B08-comp33	3/6/2015	1509	~~grab~~ C	Soil	1				X		
51 KM-15-B08-comp34	3/6/2015	1510	~~grab~~ C	Soil	1				X		
52 KM-15-B08-comp35	3/6/2015	1511	~~grab~~ C	Soil	1				X		
53 KM-15-B08-comp36	3/6/2015	1512	~~grab~~ C	Soil	1				X		
54 KM-15-B08-comp37	3/6/2015	1513	~~grab~~ C	Soil	1				X		
55 KM-15-B08-43B	3/9/2015	0915	grab	Soil	1			X			
56 KM-15-B08-44B	3/9/2015	0916	grab	Soil	1			X			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

1400

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: Amec	Date/Time: 3/9/15	Received by:	Company: GPCD-1	Date/Time: 3/9/15
Relinquished by:	Company: GPCD-1	Date/Time: 3/9/15	Received by:	Company: ONE	Date/Time: 3/9/15 1436
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Chain of Custody Record

Onsite Environmental

03-068

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	3/5/2015	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 6 of 12
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: NCD - B8 Sub Slab samples, round 2	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days SB 3/9/15			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Archive	PCBs	% MOISTURE	Sample Specific Notes:
57 KM-15-B08-45B	3/9/2015	0917	grab Comp	Soil	1			X			
58 KM-15-B08-50B	3/9/2015	0918	grab	Soil	1			X			
59 KM-15-B08-51B	3/9/2015	0919	grab	Soil	1			X			
60 KM-15-B08-52B	3/9/2015	0920	grab	Soil	1			X			
61 KM-15-B08-58B	3/9/2015	0921	grab	Soil	1			X			
62 KM-15-B08-59B	3/9/2015	0922	grab	Soil	1			X			
63 KM-15-B08-60B	3/9/2015	0923	grab	Soil	1			X			
64 KM-15-B08-61B	3/9/2015	0924	grab	Soil	1			X			
65 KM-15-B08-62B	3/9/2015	0925	grab	Soil	1			X			
66 KM-15-B08-68B	3/9/2015	0926	grab	Soil	1			X			
67 KM-15-B08-73B	3/9/2015	0927	grab	Soil	1			X			
68 KM-15-B08-COMP41	3/9/2015	0928	comp grab	Soil	1				X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

1400

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: amec	Date/Time: 3/9/15	Received by:	Company: GP-DT	Date/Time: 3/9/15
Relinquished by:	Company: GP-DT	Date/Time: 3/9/15	Received by:	Company: ONS	Date/Time: 3/9/15 1436
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Chain of Custody Record

Onsite Environmental

03-068

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	3/5/2015	COC No: 7
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 1 of 12
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: NCD - B8 Sub Slab samples, round 2	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days SB 3/9/15			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Archive	PCBs	8260 MOD BTEX	Sample Specific Notes:
69 KM-15-B08- COMP40	3/9/2015	0929	C	Soil	1				X	X	
70 KM-15-B08- COMP39	3/9/2015	0930	C	Soil	1				X	↓	
71 KM-15-B08- COMP38	3/9/2015	0931	C	Soil	1				X	↓	
72 KM-15-B08- 77B	3/9/2015	0932	G	Soil	1			X			
73 KM-15-B08- 78B	3/9/2015	0933	↓	Soil	1			X			
74 KM-15-B08- 79B	3/9/2015	0934		Soil	1			X			
75 KM-15-B08- 80B	3/9/2015	0935		Soil	1			X			
76 KM-15-B08- 85B	3/9/2015	0935		Soil	1			X			
77 KM-15-B08- 86B	3/9/2015	0936		Soil	1			X			
78 KM-15-B08- 87B	3/9/2015	0937		Soil	1			X			
79 KM-15-B08- 88B	3/9/2015	0938		Soil	1			X			
80 KM-15-B08- 89B	3/9/2015	0939	↓	Soil	1			X			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments:

1400

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.: _____
Relinquished by:	Company: amec	Date/Time: 3/9/15	Received by:	Company:	Date/Time: 3/9/15
Relinquished by:	Company:	Date/Time: 3/9/15	Received by:	Company:	Date/Time: 3/9/15 1436
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Chain of Custody Record

Onsite Environmental

03-068

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	3/5/2015	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 8 of 12
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: NCD - B8 Sub Slab samples, round 2	☐ 1 week			Job / SDG No.:
Site: Former Kelly-Moore	☑ 2 days			
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Archive	PCBs	% MOISTURE	Sample Specific Notes:
81 KM-15-B08- 90B	3/9/2015	0940	G	Soil	1			X			
82 KM-15-B08- 92B	3/9/2015	0942		Soil	1			X			
83 KM-15-B08- 93B	3/9/2015	0943		Soil	1			X			
84 KM-15-B08- 94B	3/9/2015	0944		Soil	1			X			
85 KM-15-B08- 95B	3/9/2015	0945		Soil	1			X			
86 KM-15-B08- 96B	3/9/2015	0946		Soil	1			X			
87 KM-15-B08- 97B	3/9/2015	0947		Soil	1			X			
88 KM-15-B08- 98B	3/9/2015	0948		Soil	1			X			
89 KM-15-B08- 99B	3/9/2015	0949		Soil	1			X			
90 KM-15-B08- 100B	3/9/2015	0950		Soil	1			X			
91 KM-15-B08- 101B	3/9/2015	0951		Soil	1			X			
92 KM-15-B08- 102B	3/9/2015	0952		Soil	1			X			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

1400

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: AMEC	Date/Time: 3/9/15	Received by:	Company: STL-DY	Date/Time: 3/9/15
Relinquished by:	Company: STL-DY	Date/Time: 3/9/15	Received by:	Company: CORE	Date/Time: 3/9/15 1436
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

Chain of Custody Record

Onsite Environmental

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

03-068

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	3/5/2015	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 9 of 12
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: NCD - B8 Sub Slab samples, round 2	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Archive	PCBs	8 Homologs	Sample Specific Notes:
93 KM-15-B08- 103B	3/9/2015	0953	G	Soil	1			X			
94 KM-15-B08- 105B	3/9/2015	0954	G	Soil	1			X			
95 KM-15-B08- COMP 42	3/9/2015	0955	Comp	Soil	1				X	X	
96 KM-15-B08- COMP 43	3/9/2015	0956	↓	Soil	1				X	↓	
97 KM-15-B08- COMP 44	3/9/2015	0957	↓	Soil	1				X	↓	
98 KM-15-B08- COMP 45	3/9/2015	0958	↓	Soil	1				X	↓	
99 KM-15-B08- COMP 46	3/9/2015	0959	↓	Soil	1				X	↓	
100 KM-15-B08- 106B	3/9/2015	1000	G	Soil	1			X			
101 KM-15-B08- 107B	3/9/2015	1001	G	Soil	1			↓			
102 KM-15-B08- 108B	3/9/2015	1002	↓	Soil	1			↓			
103 KM-15-B08- 109B	3/9/2015	1003	↓	Soil	1			↓			
104 KM-15-B08- 111B	3/9/2015	1004	↓	Soil	1			↓			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

1400

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.: _____
Relinquished by:	Company: Amec	Date/Time: 3/9/15	Received by:	Company: SP-CDT	Date/Time: 3/9/15
Relinquished by:	Company: SP-CDT	Date/Time: 3/1/15	Received by:	Company: ONE	Date/Time: 3/9/15 1436
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

Chain of Custody Record

Onsite Environmental

03-068

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	3/5/2015	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 10 of 12
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: NCD - B8 Sub Slab samples, round 2	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Archive	PCBs	80 MOI Samples	Sample Specific Notes:
105 KM-15-B08- 112B	3/9/2015	1005	G	Soil	1			X			
106 KM-15-B08- 113B	3/9/2015	1006		Soil	1			X			
107 KM-15-B08- 114B	3/9/2015	1007		Soil	1			X			
108 KM-15-B08- 115B	3/9/2015	1008		Soil	1			X			
109 KM-15-B08- 116B	3/9/2015	1009		Soil	1			X			
110 KM-15-B08- 117B	3/9/2015	1010		Soil	1			X			
111 KM-15-B08- 118B	3/9/2015	1011		Soil	1			X			
112 KM-15-B08- 119B	3/9/2015	1012		Soil	1			X			
113 KM-15-B08- 120B	3/9/2015	1013		Soil	1			X			
114 KM-15-B08- 121B	3/9/2015	1014		Soil	1			X			
115 KM-15-B08- 122B	3/9/2015	1015		Soil	1			X			
116 KM-15-B08- 123B	3/9/2015	1016	V	Soil	1			X			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

1400

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: amec	Date/Time: 3/9/15	Received by:	Company: GPcorp	Date/Time: 3/9/15
Relinquished by:	Company: GPcorp	Date/Time: 3/9/15	Received by:	Company: ONE	Date/Time: 3/9/15 1436
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

Chain of Custody Record

Onsite Environmental

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

03-068

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	3/5/2015	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 11 of 12
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: NCD - B8 Sub Slab samples, round 2	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Archive	PCBs	8270D SIM PAH	Sample Specific Notes:
117 KM-15-B08- 128B	3/9/2015	1017	G	Soil	1			X			
118 KM-15-B08- 129B	3/9/2015	1018	↓	Soil	1			↓			
119 KM-15-B08- 130B	3/9/2015	1019	↓	Soil	1			↓			
120 KM-15-B08- 131B	3/9/2015	1020	↓	Soil	1			↓			
121 KM-15-B08- COMP47	3/9/2015	1100	Comp	Soil	1				X	X	
122 KM-15-B08- COMP48	3/9/2015	1101	↓	Soil	1				↓	↓	
123 KM-15-B08- COMP49	3/9/2015	1102	↓	Soil	1				↓	↓	
124 KM-15-B08- COMP50	3/9/2015	1103	↓	Soil	1				↓	↓	
125 KM-15-B08- COMP51	3/9/2015	1104	↓	Soil	1				↓	↓	
126 KM-15-B08- COMP52	3/9/2015	1105	↓	Soil	1				↓	↓	
127 KM-15-B08- COMP53	3/9/2015	1106	↓	Soil	1				↓	↓	
128 KM-15-B08- COMP26	3/9/2015	1302	↓	Soil	1				↓	↓	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

1400

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by:	Company: Amec	Date/Time: 3/9/15	Received by:	Company: SP-Dry	Date/Time: 3/9/15
Relinquished by:	Company: SP-Dry	Date/Time: 3/9/15	Received by:	Company: OSE	Date/Time: 3/9/15 1436
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

Chain of Custody Record

Onsite Environmental

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other: 03-068

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	3/5/2015	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 12 of 12
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: NCD - B8 Sub Slab samples, round 2	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Archive	PCBs	% MOISTURE	Sample Specific Notes:
129 KM-15-B08- 110B	3/9/2015	1301	G	Soil	1			X			
130 KM-15-B08- COMP25	3/9/2015	1303	C	Soil	1				X	X	
131 KM-15-B08- 104B	3/9/2015	1300	G	Soil	1			X			
~~132 KM-15-B08- COMP26~~	~~3/9/2015~~	~~1302~~	~~C~~	~~Soil~~	~~1~~				~~X~~	~~X~~	~~OW 3/9/15~~
~~133~~ 132 KM-15-B08- COMP 27	3/9/2015	1314	C	Soil	1				X		
~~134~~ 133 KM-15-B08- COMP 28	3/9/2015	1315	C	Soil	1				X		
~~135~~ 134 KM-15-B08- COMP 29	3/9/2015	1316	C	Soil	1				X		
KM-15-B08-	3/9/2015			Soil	1						
KM-15-B08-	3/9/2015			Soil	1						
KM-15-B08-	3/9/2015			Soil	1						
KM-15-B08-	3/9/2015			Soil	1						
KM-15-B08-	3/9/2015			Soil	1					SB 3/9/15	

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

1400

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: Ave	Date/Time: 3/9/15	Received by:	Company: Spectrum	Date/Time: 3/9/15 2027
Relinquished by:	Company: Spectrum	Date/Time: 3/9/15 2356	Received by:	Company: ONE	Date/Time: 3/9/15 1436
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 18, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project NCD-B8 Sub Slab samples, round 2; 16110
Laboratory Reference No. 1503-068B

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 9, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 18, 2015
Samples Submitted: March 9, 2015
Laboratory Reference: 1503-068B
Project: NCD-B8 Sub Slab samples, round 2; 16110

Case Narrative

Samples were collected on March 6, 2015 and received by the laboratory on March 9, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

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Date of Report: March 18, 2015
Samples Submitted: March 9, 2015
Laboratory Reference: 1503-068B
Project: NCD-B8 Sub Slab samples, round 2; 16110

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-15-B08-31B**					
Laboratory ID:	03-068-41					
Aroclor 1016	**ND**	0.051	EPA 8082A	3-17-15	3-17-15	
Aroclor 1221	**ND**	0.051	EPA 8082A	3-17-15	3-17-15	
Aroclor 1232	**ND**	0.051	EPA 8082A	3-17-15	3-17-15	
Aroclor 1242	**ND**	0.051	EPA 8082A	3-17-15	3-17-15	
Aroclor 1248	**ND**	0.051	EPA 8082A	3-17-15	3-17-15	
Aroclor 1254	**ND**	0.051	EPA 8082A	3-17-15	3-17-15	
Aroclor 1260	**0.20**	0.051	EPA 8082A	3-17-15	3-17-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*90*	*55-140*				
Client ID:	**KM-15-B08-38B**					
Laboratory ID:	03-068-45					
Aroclor 1016	**ND**	0.055	EPA 8082A	3-17-15	3-17-15	
Aroclor 1221	**ND**	0.055	EPA 8082A	3-17-15	3-17-15	
Aroclor 1232	**ND**	0.055	EPA 8082A	3-17-15	3-17-15	
Aroclor 1242	**ND**	0.055	EPA 8082A	3-17-15	3-17-15	
Aroclor 1248	**ND**	0.055	EPA 8082A	3-17-15	3-17-15	
Aroclor 1254	**ND**	0.055	EPA 8082A	3-17-15	3-17-15	
Aroclor 1260	**1.2**	0.055	EPA 8082A	3-17-15	3-17-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*84*	*55-140*				

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Date of Report: March 18, 2015
Samples Submitted: March 9, 2015
Laboratory Reference: 1503-068B
Project: NCD-B8 Sub Slab samples, round 2; 16110

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0317S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	3-17-15	3-17-15	
Aroclor 1221	**ND**	0.050	EPA 8082A	3-17-15	3-17-15	
Aroclor 1232	**ND**	0.050	EPA 8082A	3-17-15	3-17-15	
Aroclor 1242	**ND**	0.050	EPA 8082A	3-17-15	3-17-15	
Aroclor 1248	**ND**	0.050	EPA 8082A	3-17-15	3-17-15	
Aroclor 1254	**ND**	0.050	EPA 8082A	3-17-15	3-17-15	
Aroclor 1260	**ND**	0.050	EPA 8082A	3-17-15	3-17-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*104*	*55-140*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-115-04										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.443**	**0.442**	0.500	0.500	ND	**89**	**88**	46-136	0	17	
Surrogate:											
DCB						*89*	*89*	*55-140*			

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 18, 2015
Samples Submitted: March 9, 2015
Laboratory Reference: 1503-068B
Project: NCD-B8 Sub Slab samples, round 2; 16110

% MOISTURE

Date Analyzed: 3-17-15

Client ID	Lab ID	% Moisture
KM-15-B08-31B	03-068-41	3
KM-15-B08-38B	03-068-45	8

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody Record

Onsite Environmental

03-068

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	3/5/2015	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 1 of 12
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: NCD - B8 Sub Slab samples, round 2	☐ 1 week			Job / SDG No.:
Site: Former Kelly-Moore	☑ 2 days			
P O #: 16110	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Archive	PCBs	Sample Specific Notes:
1	KM15-B08-136	3/5/2015	1340	~~Comp~~ Grab	Soil	1			X		
2	KM15-B08-137	3/5/2015	1341	grab	Soil	1			X		
3	KM15-B08-138	3/5/2015	1342	grab	Soil	1			X		
4	KM15-B08-139	3/5/2015	1343	grab	Soil	1			X		
	~~KM-15-B08-comp25~~	~~3/5/2015~~	~~1344~~	~~grab~~	~~Soil~~	~~1~~				X	SB 3/9
5	KM-15-B08-140	3/6/2015	0840	grab	Soil	1			X		
6	KM-15-B08-141	3/6/2015	0841	grab	Soil	1			X		
7	KM-15-B08-142	3/6/2015	0842	grab	Soil	1			X		(X) Added 3/18 hs. DB (2 day TAT)
8	KM-15-B08-143	3/6/2015	0843	grab	Soil	1			X		
9	KM-15-B08-144	3/6/2015	0844	grab	Soil	1			X		
10	KM-15-B08-145	3/6/2015	0845	grab	Soil	1			X		
11	KM-15-B08-146	3/6/2015	0846	grab	Soil	1			X		

SB 3/9/16

Analysis

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments:

1400

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

	Company:	Date/Time:		Company:	Date/Time:
Relinquished by:	amec	3/9/15	Received by:	SpecD	3/9/15 2:00
Relinquished by:	SpecD	3/9/15 1527	Received by:	OSE	3/9/15 1400
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Chain of Custody Record

Onsite Environmental

03-068

Onsite Labs, Redmond, WA

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	3/5/2015	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 2 of 12
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: NCD - B8 Sub Slab samples, round 2	☐ 1 week			Job / SDG No.:
Site: Former Kelly-Moore	☑ 2 days HK 3/9			
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Archive	PCBs	% MOISTURE	Sample Specific Notes:
12 KM-15-B08-147	3/6/2015	0847	Comp	Soil	1			X	X		
13 KM-15-B08-148	3/6/2015	0848	grab	Soil	1			X			
14 KM-15-B08-149	3/6/2015	0849	grab	Soil	1			X			
15 KM-15-B08-150	3/6/2015	0850	grab	Soil	1			X			
16 KM-15-B08-151	3/6/2015	0851	grab	Soil	1			X			
~~KM-15-B08-comp26~~	~~3/6/2015~~	~~0852~~	~~grab~~	Soil	1				X		SB 3/9
~~KM-15-B08-comp27~~	3/6/2015	~~0853~~	~~grab~~	Soil	1				X		SB 3/9
~~KM-15-B08-comp28~~	3/6/2015	~~0854~~	~~grab~~	Soil	1				X		SB 3/9
17 KM-15-B08-1B	3/6/2015	1436	grab	Soil	1			X			
18 KM-15-B08-2B	3/6/2015	1437	grab	Soil	1			X			
19 KM-15-B08-3B	3/6/2015	1438	grab	Soil	1			X			
20 KM-15-B08-4B	3/6/2015	1439	grab	Soil	1			X			

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

1400

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: amec	Date/Time: 3/9/15	Received by:	Company: SPECTRUM	Date/Time: 3/9/15 2000
Relinquished by:	Company: SPECTRUM	Date/Time: 3/9/15	Received by:	Company: OSE	Date/Time: 3/9/15 1436
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Chain of Custody Record

Onsite Environmental

03-068

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	3/5/2015	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 3 of 12
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: NCD - B8 Sub Slab samples, round 2	☐ 1 week			Job / SDG No.:
Site: Former Kelly-Moore	☑ 2 days NM 3/9			
P O #: 16110	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Archive	PCBs	8082 Aroclors	Sample Specific Notes:
21	KM-15-B08-5B	3/6/2015	1440	~~Grab~~ Comp	Soil	1			X			
22	KM-15-B08-6B	3/6/2015	1441	grab	Soil	1			X			
23	KM-15-B08-7B	3/6/2015	1442	grab	Soil	1			X			
24	KM-15-B08-8B	3/6/2015	1443	grab	Soil	1			X			
25	KM-15-B08-9B	3/6/2015	1444	grab	Soil	1			X			
26	KM-15-B08-10B	3/6/2015	1445	grab	Soil	1			X			
27	KM-15-B08-11B	3/6/2015	1446	grab	Soil	1			X			
28	KM-15-B08-12B	3/6/2015	1447	grab	Soil	1			X			
29	KM-15-B08-13B	3/6/2015	1448	grab	Soil	1			X			
30	KM-15-B08-14B	3/6/2015	1449	grab	Soil	1			X			
31	KM-15-B08-15B	3/6/2015	1450	grab	Soil	1			X			
32	KM-15-B08-16B	3/6/2015	1451	grab	Soil	1			X			

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

1400

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: Amec	Date/Time: 3/9/15	Received by:	Company: SP-CDT	Date/Time: 3/9/15
Relinquished by:	Company: SP-CDT	Date/Time: 3/9/15	Received by:	Company: OSE	Date/Time: 3/9/15 1436
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Chain of Custody Record

Onsite Environmental

03-068

Onsite Labs, Redmond, WA

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	3/5/2015	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 4 of 12
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: NCD - B8 Sub Slab samples, round 2	☐ 1 week			Job / SDG No.:
Site: Former Kelly-Moore	☑ 2 days NM 3/9/15			
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Archive	PCBs	Moisture
33 KM-15-B08-17B	3/6/2015	1452	~~Comp~~ Grab	Soil	1			X		
34 KM-15-B08-21B	3/6/2015	1453	grab	Soil	1			X		
35 KM-15-B08-22B	3/6/2015	1454	grab	Soil	1			X		
36 KM-15-B08-23B	3/6/2015	1455	grab	Soil	1			X		
37 KM-15-B08-24B	3/6/2015	1456	grab	Soil	1			X		
38 KM-15-B08-28B	3/6/2015	1457	grab	Soil	1			X		
39 KM-15-B08-29B	3/6/2015	1458	grab	Soil	1			X		
40 KM-15-B08-30B	3/6/2015	1459	grab	Soil	1			X		
41 KM-15-B08-31B	3/6/2015	1500	grab	Soil	1			X (8)		(X)
42 KM-15-B08-35B	3/6/2015	1501	grab	Soil	1			X		
43 KM-15-B08-36B	3/6/2015	1502	grab	Soil	1			X		
44 KM-15-B08-37B	3/6/2015	1503	grab	Soil	1			X		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

1400

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company: amec	Date/Time: 3/9/15	Received by:	Company: SPL-DT	Date/Time: 3/9/15
Relinquished by:	Company: SPL-DT	Date/Time: 3/9/15	Received by:	Company: QE	Date/Time: 3/9/15 1436
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

Chain of Custody Record

Onsite Environmental

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other: **03-068** **Onsite Labs, Redmond, WA**

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	3/5/2015	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 5 of 12
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: NCD - B8 Sub Slab samples, round 2	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days SB/3/9/15			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Archive	PCBs	% MOISTURE	Sample Specific Notes:
45 KM-15-B08-38B	3/6/2015	1504	~~grab~~ Comp	Soil	1			X	X	X	
46 KM-15-B08-42B	3/6/2015	1505	grab	Soil	1			X			
47 KM-15-B08-comp30	3/6/2015	1506	comp ~~grab~~	Soil	1				X	X	
48 KM-15-B08-comp31	3/6/2015	1507	comp ~~grab~~	Soil	1				X		
49 KM-15-B08-comp32	3/6/2015	1508	C ~~grab~~	Soil	1				X		
50 KM-15-B08-comp33	3/6/2015	1509	C ~~grab~~	Soil	1				X		
51 KM-15-B08-comp34	3/6/2015	1510	C ~~grab~~	Soil	1				X		
52 KM-15-B08-comp35	3/6/2015	1511	C ~~grab~~	Soil	1				X		
53 KM-15-B08-comp36	3/6/2015	1512	C ~~grab~~	Soil	1				X		
54 KM-15-B08-comp37	3/6/2015	1513	C ~~grab~~	Soil	1				X		
55 KM-15-B08-43B	3/9/2015	0915	grab	Soil	1			X			
56 KM-15-B08-44B	3/9/2015	0916	grab	Soil	1			X			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

1400

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: Amec	Date/Time: 3/9/15	Received by:	Company: STL-EDM	Date/Time: 3/9/15
Relinquished by:	Company: STL-EDM	Date/Time: 3/9/15	Received by:	Company: ONE	Date/Time: 3/9/15 1436
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

Chain of Custody Record

Onsite Environmental

03-068

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	3/5/2015	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 6 of 12
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: NCD - B8 Sub Slab samples, round 2	☐ 1 week			Job / SDG No.:
Site: Former Kelly-Moore	☑ 2 days SB 3/9/15			
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Archive	PCBs	90 MOISTURE	Sample Specific Notes:
57 KM-15-B08-45B	3/9/2015	0917	grab/Comp	Soil	1			X			
58 KM-15-B08-50B	3/9/2015	0918	grab	Soil	1			X			
59 KM-15-B08-51B	3/9/2015	0919	grab	Soil	1			X			
60 KM-15-B08-52B	3/9/2015	0920	grab	Soil	1			X			
61 KM-15-B08-58B	3/9/2015	0921	grab	Soil	1			X			
62 KM-15-B08-59B	3/9/2015	0922	grab	Soil	1			X			
63 KM-15-B08-60B	3/9/2015	0923	grab	Soil	1			X			
64 KM-15-B08-61B	3/9/2015	0924	grab	Soil	1			X			
65 KM-15-B08-62B	3/9/2015	0925	grab	Soil	1			X			
66 KM-15-B08-68B	3/9/2015	0926	grab	Soil	1			X			
67 KM-15-B08-73B	3/9/2015	0927	grab	Soil	1			X			
68 KM-15-B08-COMP41	3/9/2015	0928	COMP grab	Soil	1				X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

1400

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by:	Company: amec	Date/Time: 3/9/15	Received by:	Company: GP-DT	Date/Time: 3/9/15
Relinquished by:	Company: GP-DT	Date/Time: 3/9/15	Received by:	Company: OES	Date/Time: 3/9/15 1436
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

Chain of Custody Record

Onsite Environmental

03-068

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	3/5/2015	COC No: 7
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 7 of 12
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: NCD - B8 Sub Slab samples, round 2	☐ 1 week			Job / SDG No.:
Site: Former Kelly-Moore	☑ 2 days SB 3/9/15			
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Archive	PCBs	8260 MOD/8270	Sample Specific Notes:
69 KM-15-B08- COMP 40	3/9/2015	0929	C	Soil	1				X	X	
70 KM-15-B08- COMP 39	3/9/2015	0930	C	Soil	1				X	↓	
71 KM-15-B08- COMP 38	3/9/2015	0931	C	Soil	1				X		
72 KM-15-B08- 77B	3/9/2015	0932	G	Soil	1			X			
73 KM-15-B08- 78B	3/9/2015	0933		Soil	1			X			
74 KM-15-B08- 79B	3/9/2015	0934		Soil	1			X			
75 KM-15-B08- 80B	3/9/2015	0935		Soil	1			X			
76 KM-15-B08- 85B	3/9/2015	0935		Soil	1			X			
77 KM-15-B08- 86B	3/9/2015	0936		Soil	1			X			
78 KM-15-B08- 87B	3/9/2015	0937		Soil	1			X			
79 KM-15-B08- 88B	3/9/2015	0938		Soil	1			X			
80 KM-15-B08- 89B	3/9/2015	0939	↓	Soil	1			X			

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

1400

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: amec	Date/Time: 3/9/15	Received by:	Company: STL-SEA	Date/Time: 3/9/15
Relinquished by:	Company: STL-SEA	Date/Time: 3/9/15	Received by:	Company: ONSITE	Date/Time: 3/9/15 1436
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

Chain of Custody Record

Onsite Environmental

03-068

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	3/5/2015	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 8 of 12
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: NCD - B8 Sub Slab samples, round 2	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Archive	PCBs	Do MOISTURE	Sample Specific Notes:
81 KM-15-B08- 90B	3/9/2015	0940	G	Soil	1			X			
82 KM-15-B08- 92B	3/9/2015	0942	"	Soil	1			X			
83 KM-15-B08- 93B	3/9/2015	0943	"	Soil	1			X			
84 KM-15-B08- 94B	3/9/2015	0944	"	Soil	1			X			
85 KM-15-B08- 95B	3/9/2015	0945	"	Soil	1			X			
86 KM-15-B08- 96B	3/9/2015	0946	"	Soil	1			X			
87 KM-15-B08- 97B	3/9/2015	0947	"	Soil	1			X			
88 KM-15-B08- 98B	3/9/2015	0948	"	Soil	1			X			
89 KM-15-B08- 99B	3/9/2015	0949	"	Soil	1			X			
90 KM-15-B08- 100B	3/9/2015	0950	"	Soil	1			X			
91 KM-15-B08- 101B	3/9/2015	0951	"	Soil	1			X			
92 KM-15-B08- 102B	3/9/2015	0952	↓	Soil	1			X			

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments:

1400

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.: _____
Relinquished by:	Company: AMEC	Date/Time: 3/9/15	Received by:	Company: SPECTRUM	Date/Time: 3/9/15
Relinquished by:	Company: SPECTRUM	Date/Time: 3/9/15	Received by:	Company: ONE	Date/Time: 3/9/15 1436
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

Chain of Custody Record

Onsite Environmental

03-068

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	3/5/2015	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 9 of 12
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: NCD - B8 Sub Slab samples, round 2	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Archive	PCBs	8 Aroclors	Sample Specific Notes:
93 KM-15-B08- 103B	3/9/2015	0953	G	Soil	1			X			
94 KM-15-B08- 105B	3/9/2015	0954	G	Soil	1			X			
95 KM-15-B08- COMP 42	3/9/2015	0955	Comp	Soil	1				X	X	
96 KM-15-B08- COMP 43	3/9/2015	0956	↓	Soil	1				X	↓	
97 KM-15-B08- COMP 44	3/9/2015	0957		Soil	1				X		
98 KM-15-B08- COMP 45	3/9/2015	0958		Soil	1				X		
99 KM-15-B08- COMP 46	3/9/2015	0959		Soil	1				X		
100 KM-15-B08- 106B	3/9/2015	1000	G	Soil	1			X			
101 KM-15-B08- 107B	3/9/2015	1001	G	Soil	1			↓			
102 KM-15-B08- 108B	3/9/2015	1002	↓	Soil	1						
103 KM-15-B08- 109B	3/9/2015	1003		Soil	1						
104 KM-15-B08- 111B	3/9/2015	1004		Soil	1						

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

1400

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.: _____
Relinquished by:	Company: Amec	Date/Time: 3/9/15	Received by:	Company: Speedy	Date/Time: 3/9/15
Relinquished by:	Company: Speedy	Date/Time: 3/9/15	Received by:	Company: ONE	Date/Time: 3/9/15 1436
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

Chain of Custody Record

Onsite Environmental

03-068

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	3/5/2015	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 10 of 12
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: NCD - B8 Sub Slab samples, round 2	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Archive	PCBs	80 MOI Solids	Sample Specific Notes:
105 KM-15-B08- 112B	3/9/2015	1005	G	Soil	1			X			
106 KM-15-B08- 113B	3/9/2015	1006		Soil	1			X			
107 KM-15-B08- 114B	3/9/2015	1007		Soil	1			X			
108 KM-15-B08- 115B	3/9/2015	1008		Soil	1			X			
109 KM-15-B08- 116B	3/9/2015	1009		Soil	1			X			
110 KM-15-B08- 117B	3/9/2015	1010		Soil	1			X			
111 KM-15-B08- 118B	3/9/2015	1011		Soil	1			X			
112 KM-15-B08- 119B	3/9/2015	1012		Soil	1			X			
113 KM-15-B08- 120B	3/9/2015	1013		Soil	1			X			
114 KM-15-B08- 121B	3/9/2015	1014		Soil	1			X			
115 KM-15-B08- 122B	3/9/2015	1015		Soil	1			X			
116 KM-15-B08- 123B	3/9/2015	1016	V	Soil	1			X			

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for_____ Months

Special Instructions/QC Requirements & Comments:

1400

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: amec	Date/Time: 3/9/15	Received by:	Company: GPCOM	Date/Time: 3/9/15
Relinquished by:	Company: GPCOM	Date/Time: 3/9/15	Received by:	Company: ORE	Date/Time: 3/9/15 1436
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

Chain of Custody Record

Onsite Environmental

03-068

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	3/5/2015	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 11 of 12
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below _____			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: NCD - B8 Sub Slab samples, round 2	☐ 1 week			
Site: Former Kelly-Moore	☑ 2 days			Job / SDG No.:
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Archive	PCBs	Aroclors	Sample Specific Notes:
117 KM-15-B08- 128B	3/9/2015	1017	G	Soil	1			X			
118 KM-15-B08- 129B	3/9/2015	1018	↓	Soil	1			↓			
119 KM-15-B08- 130B	3/9/2015	1019	↓	Soil	1			↓			
120 KM-15-B08- 131B	3/9/2015	1020	↓	Soil	1			↓			
121 KM-15-B08- COMP47	3/9/2015	1100	Comp	Soil	1				X	X	
122 KM-15-B08- COMP48	3/9/2015	1101	↓	Soil	1				↓	↓	
123 KM-15-B08- COMP49	3/9/2015	1102	↓	Soil	1				↓		
124 KM-15-B08- COMP50	3/9/2015	1103	↓	Soil	1				↓		
125 KM-15-B08- COMP51	3/9/2015	1104	↓	Soil	1				↓		
126 KM-15-B08- COMP52	3/9/2015	1105	↓	Soil	1				↓		
127 KM-15-B08- COMP53	3/9/2015	1106	↓	Soil	1				↓		
128 KM-15-B08- COMP26	3/9/2015	1302	↓	Soil	1				↓		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

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Special Instructions/QC Requirements & Comments:

1400

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.: _____
Relinquished by:	Company: Amec	Date/Time: 3/9/15	Received by:	Company: SP-CD-T	Date/Time: 3/9/15
Relinquished by:	Company: SP-CD-T	Date/Time: 3/9/15	Received by:	Company: OSE	Date/Time: 3/9/15 1436
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

Chain of Custody Record

Onsite Environmental

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

03-068

Onsite Labs, Redmond, WA

Client Contact	Project Manager: Tasya Gray (AMEC)	Site Contact: Nathan Moxley	3/5/2015	COC No:
Amec	Tel/Fax:	Lab Contact: Tasya Gray	Carrier:	Page 12 of 12
600 University St., Suite 600	Analysis Turnaround Time			Sampler: Nathan Moxley
Seattle, WA	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
206-342-1760	TAT if different from Below			Walk-in Client:
	☐ 2 weeks			Lab Sampling:
Project Name: NCD - B8 Sub Slab samples, round 2	☐ 1 week			Job / SDG No.:
Site: Former Kelly-Moore	☑ 2 days			
P O #: 16110	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Archive	PCBs	%MOISTURE	Sample Specific Notes:
129 KM-15-B08- 110B	3/9/2015	1301	G	Soil	1			X			
130 KM-15-B08- COMP25	3/9/2015	1303	C	Soil	1				X	X	
131 KM-15-B08- 104B	3/9/2015	1300	G	Soil	1			X			
~~132 KM-15-B08- COMP26~~	~~3/9/2015~~	~~1302~~	~~C~~	~~Soil~~	~~1~~				~~X~~	~~X~~	~~On 3/9/15~~
133 132 KM-15-B08- COMP 27	3/9/2015	1314	C	Soil	1				X		
134 133 KM-15-B08- COMP 28	3/9/2015	1315	C	Soil	1				X		
135 134 KM-15-B08- COMP 29	3/9/2015	1316	C	Soil	1				X		
~~KM-15-B08-~~	~~3/9/2015~~			~~Soil~~	~~1~~						
KM-15-B08-	3/9/2015			Soil	1						
KM-15-B08-	3/9/2015			Soil	1						
KM-15-B08-	3/9/2015			Soil	1						
~~KM-15-B08-~~	~~3/9/2015~~			~~Soil~~	~~1~~						

SB 3/9/15

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments:

1400

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.: _____
Relinquished by:	Company: Amec	Date/Time: 3/9/15	Received by:	Company: Spectrum	Date/Time: 3/9/15 2027
Relinquished by:	Company: Spectrum	Date/Time: 3/9/15 2356	Received by:	Company: ONE	Date/Time: 3/9/15 1436
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 18, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 1503-143

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 16, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 18, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-143
Project: 14697

Case Narrative

Samples were collected on March 13, 2015 and received by the laboratory on March 13, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 18, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-143
Project: 14697

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM15-B08-Comp 30B**					
Laboratory ID:	03-143-51					
Aroclor 1016	**ND**	0.052	EPA 8082A	3-17-15	3-17-15	
Aroclor 1221	**ND**	0.052	EPA 8082A	3-17-15	3-17-15	
Aroclor 1232	**ND**	0.052	EPA 8082A	3-17-15	3-17-15	
Aroclor 1242	**ND**	0.052	EPA 8082A	3-17-15	3-17-15	
Aroclor 1248	**ND**	0.052	EPA 8082A	3-17-15	3-17-15	
Aroclor 1254	**ND**	0.052	EPA 8082A	3-17-15	3-17-15	
Aroclor 1260	**0.19**	0.052	EPA 8082A	3-17-15	3-17-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*104*	*55-140*				
Client ID:	**KM15-B08-Comp 31B**					
Laboratory ID:	03-143-52					
Aroclor 1016	**ND**	0.059	EPA 8082A	3-17-15	3-17-15	
Aroclor 1221	**ND**	0.059	EPA 8082A	3-17-15	3-17-15	
Aroclor 1232	**ND**	0.059	EPA 8082A	3-17-15	3-17-15	
Aroclor 1242	**ND**	0.059	EPA 8082A	3-17-15	3-17-15	
Aroclor 1248	**ND**	0.059	EPA 8082A	3-17-15	3-17-15	
Aroclor 1254	**ND**	0.059	EPA 8082A	3-17-15	3-17-15	
Aroclor 1260	**0.63**	0.059	EPA 8082A	3-17-15	3-17-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*104*	*55-140*				
Client ID:	**KM15-B08-Comp 32B**					
Laboratory ID:	03-143-53					
Aroclor 1016	**ND**	0.065	EPA 8082A	3-17-15	3-17-15	
Aroclor 1221	**ND**	0.065	EPA 8082A	3-17-15	3-17-15	
Aroclor 1232	**ND**	0.065	EPA 8082A	3-17-15	3-17-15	
Aroclor 1242	**ND**	0.065	EPA 8082A	3-17-15	3-17-15	
Aroclor 1248	**ND**	0.065	EPA 8082A	3-17-15	3-17-15	
Aroclor 1254	**ND**	0.065	EPA 8082A	3-17-15	3-17-15	
Aroclor 1260	**0.36**	0.065	EPA 8082A	3-17-15	3-17-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*98*	*55-140*				

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Date of Report: March 18, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-143
Project: 14697

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM15-B08-Comp 41B**					
Laboratory ID:	03-143-54					
Aroclor 1016	**ND**	0.058	EPA 8082A	3-17-15	3-17-15	
Aroclor 1221	**ND**	0.058	EPA 8082A	3-17-15	3-17-15	
Aroclor 1232	**ND**	0.058	EPA 8082A	3-17-15	3-17-15	
Aroclor 1242	**ND**	0.058	EPA 8082A	3-17-15	3-17-15	
Aroclor 1248	**ND**	0.058	EPA 8082A	3-17-15	3-17-15	
Aroclor 1254	**ND**	0.058	EPA 8082A	3-17-15	3-17-15	
Aroclor 1260	**ND**	0.058	EPA 8082A	3-17-15	3-17-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*104*	*55-140*				
Client ID:	**KM15-B08-Comp 54**					
Laboratory ID:	03-143-55					
Aroclor 1016	**ND**	0.057	EPA 8082A	3-17-15	3-17-15	
Aroclor 1221	**ND**	0.057	EPA 8082A	3-17-15	3-17-15	
Aroclor 1232	**ND**	0.057	EPA 8082A	3-17-15	3-17-15	
Aroclor 1242	**ND**	0.057	EPA 8082A	3-17-15	3-17-15	
Aroclor 1248	**ND**	0.057	EPA 8082A	3-17-15	3-17-15	
Aroclor 1254	**ND**	0.057	EPA 8082A	3-17-15	3-17-15	
Aroclor 1260	**1.1**	0.057	EPA 8082A	3-17-15	3-17-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*98*	*55-140*				
Client ID:	**KM15-B08-Comp 40B**					
Laboratory ID:	03-143-56					
Aroclor 1016	**ND**	0.057	EPA 8082A	3-17-15	3-17-15	
Aroclor 1221	**ND**	0.057	EPA 8082A	3-17-15	3-17-15	
Aroclor 1232	**ND**	0.057	EPA 8082A	3-17-15	3-17-15	
Aroclor 1242	**ND**	0.057	EPA 8082A	3-17-15	3-17-15	
Aroclor 1248	**ND**	0.057	EPA 8082A	3-17-15	3-17-15	
Aroclor 1254	**ND**	0.057	EPA 8082A	3-17-15	3-17-15	
Aroclor 1260	**0.31**	0.057	EPA 8082A	3-17-15	3-17-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*104*	*55-140*				

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Date of Report: March 18, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-143
Project: 14697

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM15-B08-Comp 55**					
Laboratory ID:	03-143-57					
Aroclor 1016	**ND**	0.062	EPA 8082A	3-17-15	3-17-15	
Aroclor 1221	**ND**	0.062	EPA 8082A	3-17-15	3-17-15	
Aroclor 1232	**ND**	0.062	EPA 8082A	3-17-15	3-17-15	
Aroclor 1242	**ND**	0.062	EPA 8082A	3-17-15	3-17-15	
Aroclor 1248	**ND**	0.062	EPA 8082A	3-17-15	3-17-15	
Aroclor 1254	**ND**	0.062	EPA 8082A	3-17-15	3-17-15	
Aroclor 1260	**0.42**	0.062	EPA 8082A	3-17-15	3-17-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*88*	*55-140*				
Client ID:	**KM15-B08-Comp 39B**					
Laboratory ID:	03-143-58					
Aroclor 1016	**ND**	0.059	EPA 8082A	3-17-15	3-17-15	
Aroclor 1221	**ND**	0.059	EPA 8082A	3-17-15	3-17-15	
Aroclor 1232	**ND**	0.059	EPA 8082A	3-17-15	3-17-15	
Aroclor 1242	**ND**	0.059	EPA 8082A	3-17-15	3-17-15	
Aroclor 1248	**ND**	0.059	EPA 8082A	3-17-15	3-17-15	
Aroclor 1254	**ND**	0.059	EPA 8082A	3-17-15	3-17-15	
Aroclor 1260	**0.46**	0.059	EPA 8082A	3-17-15	3-17-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*92*	*55-140*				
Client ID:	**KM15-B08-Comp 29B**					
Laboratory ID:	03-143-59					
Aroclor 1016	**ND**	0.055	EPA 8082A	3-17-15	3-17-15	
Aroclor 1221	**ND**	0.055	EPA 8082A	3-17-15	3-17-15	
Aroclor 1232	**ND**	0.055	EPA 8082A	3-17-15	3-17-15	
Aroclor 1242	**ND**	0.055	EPA 8082A	3-17-15	3-17-15	
Aroclor 1248	**ND**	0.055	EPA 8082A	3-17-15	3-17-15	
Aroclor 1254	**ND**	0.055	EPA 8082A	3-17-15	3-17-15	
Aroclor 1260	**0.54**	0.055	EPA 8082A	3-17-15	3-17-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*104*	*55-140*				

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Date of Report: March 18, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-143
Project: 14697

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM15-B08-Comp 42B**					
Laboratory ID:	03-143-60					
Aroclor 1016	**ND**	0.053	EPA 8082A	3-17-15	3-17-15	
Aroclor 1221	**ND**	0.053	EPA 8082A	3-17-15	3-17-15	
Aroclor 1232	**ND**	0.053	EPA 8082A	3-17-15	3-17-15	
Aroclor 1242	**ND**	0.053	EPA 8082A	3-17-15	3-17-15	
Aroclor 1248	**ND**	0.053	EPA 8082A	3-17-15	3-17-15	
Aroclor 1254	**ND**	0.053	EPA 8082A	3-17-15	3-17-15	
Aroclor 1260	**0.54**	0.053	EPA 8082A	3-17-15	3-17-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*104*	*55-140*				
Client ID:	**KM15-B08-Comp 43B**					
Laboratory ID:	03-143-61					
Aroclor 1016	**ND**	0.055	EPA 8082A	3-17-15	3-17-15	
Aroclor 1221	**ND**	0.055	EPA 8082A	3-17-15	3-17-15	
Aroclor 1232	**ND**	0.055	EPA 8082A	3-17-15	3-17-15	
Aroclor 1242	**ND**	0.055	EPA 8082A	3-17-15	3-17-15	
Aroclor 1248	**ND**	0.055	EPA 8082A	3-17-15	3-17-15	
Aroclor 1254	**ND**	0.055	EPA 8082A	3-17-15	3-17-15	
Aroclor 1260	**0.44**	0.055	EPA 8082A	3-17-15	3-17-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*98*	*55-140*				
Client ID:	**KM15-B08-Comp 44B**					
Laboratory ID:	03-143-62					
Aroclor 1016	**ND**	0.053	EPA 8082A	3-17-15	3-17-15	
Aroclor 1221	**ND**	0.053	EPA 8082A	3-17-15	3-17-15	
Aroclor 1232	**ND**	0.053	EPA 8082A	3-17-15	3-17-15	
Aroclor 1242	**ND**	0.053	EPA 8082A	3-17-15	3-17-15	
Aroclor 1248	**ND**	0.053	EPA 8082A	3-17-15	3-17-15	
Aroclor 1254	**ND**	0.053	EPA 8082A	3-17-15	3-17-15	
Aroclor 1260	**0.20**	0.053	EPA 8082A	3-17-15	3-17-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*91*	*55-140*				

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Date of Report: March 18, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-143
Project: 14697

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM15-B08-Comp 34B**					
Laboratory ID:	03-143-63					
Aroclor 1016	**ND**	0.054	EPA 8082A	3-17-15	3-17-15	
Aroclor 1221	**ND**	0.054	EPA 8082A	3-17-15	3-17-15	
Aroclor 1232	**ND**	0.054	EPA 8082A	3-17-15	3-17-15	
Aroclor 1242	**ND**	0.054	EPA 8082A	3-17-15	3-17-15	
Aroclor 1248	**ND**	0.054	EPA 8082A	3-17-15	3-17-15	
Aroclor 1254	**ND**	0.054	EPA 8082A	3-17-15	3-17-15	
Aroclor 1260	**0.16**	0.054	EPA 8082A	3-17-15	3-17-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*88*	*55-140*				
Client ID:	**KM15-B08-Comp 36B**					
Laboratory ID:	03-143-64					
Aroclor 1016	**ND**	0.059	EPA 8082A	3-17-15	3-17-15	
Aroclor 1221	**ND**	0.059	EPA 8082A	3-17-15	3-17-15	
Aroclor 1232	**ND**	0.059	EPA 8082A	3-17-15	3-17-15	
Aroclor 1242	**ND**	0.059	EPA 8082A	3-17-15	3-17-15	
Aroclor 1248	**ND**	0.059	EPA 8082A	3-17-15	3-17-15	
Aroclor 1254	**ND**	0.059	EPA 8082A	3-17-15	3-17-15	
Aroclor 1260	**0.22**	0.059	EPA 8082A	3-17-15	3-17-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*103*	*55-140*				
Client ID:	**KM15-B08-Dup1-031315**					
Laboratory ID:	03-143-65					
Aroclor 1016	**ND**	0.062	EPA 8082A	3-17-15	3-17-15	
Aroclor 1221	**ND**	0.062	EPA 8082A	3-17-15	3-17-15	
Aroclor 1232	**ND**	0.062	EPA 8082A	3-17-15	3-17-15	
Aroclor 1242	**ND**	0.062	EPA 8082A	3-17-15	3-17-15	
Aroclor 1248	**ND**	0.062	EPA 8082A	3-17-15	3-17-15	
Aroclor 1254	**ND**	0.062	EPA 8082A	3-17-15	3-17-15	
Aroclor 1260	**0.48**	0.062	EPA 8082A	3-17-15	3-17-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*81*	*55-140*				

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Date of Report: March 18, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-143
Project: 14697

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0317S2					
Aroclor 1016	**ND**	0.050	EPA 8082A	3-17-15	3-17-15	
Aroclor 1221	**ND**	0.050	EPA 8082A	3-17-15	3-17-15	
Aroclor 1232	**ND**	0.050	EPA 8082A	3-17-15	3-17-15	
Aroclor 1242	**ND**	0.050	EPA 8082A	3-17-15	3-17-15	
Aroclor 1248	**ND**	0.050	EPA 8082A	3-17-15	3-17-15	
Aroclor 1254	**ND**	0.050	EPA 8082A	3-17-15	3-17-15	
Aroclor 1260	**ND**	0.050	EPA 8082A	3-17-15	3-17-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*104*	*55-140*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-145-04										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.443**	**0.503**	0.500	0.500	ND	**89**	**101**	46-136	13	17	
Surrogate:											
DCB						*87*	*96*	*55-140*			

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Date of Report: March 18, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-143
Project: 14697

% MOISTURE

Date Analyzed: 3-17-15

Client ID	Lab ID	% Moisture
KM15-B08-Comp 30B	03-143-51	4
KM15-B08-Comp 31B	03-143-52	15
KM15-B08-Comp 32B	03-143-53	23
KM15-B08-Comp 41B	03-143-54	13
KM15-B08-Comp 54	03-143-55	13
KM15-B08-Comp 40B	03-143-56	13
KM15-B08-Comp 55	03-143-57	19
KM15-B08-Comp 39B	03-143-58	15
KM15-B08-Comp 29B	03-143-59	9
KM15-B08-Comp 42B	03-143-60	6
KM15-B08-Comp 43B	03-143-61	10
KM15-B08-Comp 44B	03-143-62	5
KM15-B08-Comp 34B	03-143-63	7
KM15-B08-Comp 36B	03-143-64	16
KM15-B08-Dup1-031315	03-143-65	19

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC
Project Number: Kelly-Moore Soil Ex
Project Name: 14697
Project Manager: Tasya Gray
Sampled by: ~~NM~~ Nathan Moxley

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☒ ~~2 Days~~ ☐ 3 Days
☒ ~~Standard (7 Days)~~ NM 3/13/15
(TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 03-143

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Archive	% Moisture
	~~B7-piping-B5-5.0~~	~~03/13/15~~	~~0750~~	~~Soil~~ 3/13 NM																			
	~~B7-piping-SIB-4.0~~		~~0755~~	3/13 NM																			
1	KM15-B08-1C	03/13/15	1220	Soil	1																	X	
2	KM15-B08-2C		1221																				
3	KM15-B08-3C		1222																				
4	KM15-B08-4C		1223																				
5	KM15-B08-5C		1224																				
6	KM15-B08-6C		1225																				
7	KM15-B08-8C		1226																				
8	KM15-B08-9C		1227																				

	Signature	Company	Date	Time
Relinquished		AMEC	3/15/15	2030
Received	SM	SPECTRY	3/16/15	923
Relinquished		SPECTRY	3/16/15	1124
Received		ONSITE ENV	3/16/15	1228
Relinquished				
Received				

Comments/Special Instructions

Reviewed/Date

Reviewed/Date

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 03-143

Company: AMEC
Project Number: 14097
Project Name: Kelly-Moore Soil Ex
Project Manager: Tasya Gray
Sampled by: Nathan Moxley

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☒ 2 Days ☐ 3 Days
☒ Standard (7 Days) NM 3/10/15
(TPH analysis 5 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Archive					% Moisture
9	KM15-B08-10C	03/13/15	1228	Soil	1																	X					
10	KM15-B08-11C		1229																								
11	KM15-B08-12C		1230																								
12	KM15-B08-13C		1231																								
13	KM15-B08-43C		1320																								
14	KM15-B08-44C		1321																								
15	KM15-B08-45C		1322																								
16	KM15-B08-46B		1323																								
17	KM15-B08-47B		1324																								
18	KM15-B08-48B		1325																								

	Signature	Company	Date	Time
Relinquished		AMEC	3/15/15	2030
Received		GPCourier	3/16/15	923
Relinquished		GPCourier	3/16/15	1120
Received		OnSite Env. Inc.	3/16/15	1120
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC
Project Number: 14097
Project Name: Kelly-Moore Soil Ex
Project Manager: Tasya Gray
Sampled by: Nathan Moxley

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☒ ~~2 Days~~ ☐ 3 Days
- ☒ ~~Standard (7 Days)~~ NM 3/13/15
  (TPH analysis 5 Days)
- ☐ _____ (other)

Laboratory Number: 03-143

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Archive					% Moisture
19	KM15-B08-50C	03/13/15	1326	Soil	1																	X					
20	KM15-B08-51C		1327																								
21	KM15-B08-52C		1328																								
22	KM15-B08-53B		1329																								
23	KM15-B08-54B		1330																								
24	KM15-B08-55B		1331																								
25	KM15-B08-57C		1332																								
26	KM15-B08-58C		1333																								
27	KM15-B08-59C		1334																								
28	KM15-B08-60C		1335		V																						

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		AMEC	3/15/15	2030	
Received		GPRS	3/16/15	923	
Relinquished		SPEEDY	3/16/15	1121	
Received		ACE	3/16/15	1121	
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC
Project Number: 14697
Project Name: Kelly-Moore Soil Ex
Project Manager: Tasya Gray
Sampled by: Nathan Moxley

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☒ 2 Days ☐ 3 Days
~~☒ Standard (7 Days)~~ NM 3/13/15
(TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 03-143

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Archive					% Moisture
29	KM15-B08-61C	03/13/15	1336	Soil	1																	X					
30	KM15-B08-77C		1345																								
31	KM15-B08-78C		1346																								
32	KM15-B08-85C		1348																								
33	KM15-B08-86C		1349																								
34	KM15-B08-148B		1110																								
35	KM15-B08-149B		1111																								
36	KM15-B08-150B		1112																								
37	KM15-B08-151B		1113																								
38	KM15-B08-93C		1351																								

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		AMEC	3/15/15	2030	
Received		GeoEng	3/16/15	923	
Relinquished		GeoEng	3/16/15	1120	
Received		OnSite Env	3/16/15	1120	
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC
Project Number: 14697
Project Name: Kelly-Moore Soil Ex
Project Manager: Tasya Gray
Sampled by: Nathan Moxley

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☒ 2 Days ☐ 3 Days
~~☒ Standard (7 Days)~~ NM 3/13/15
(TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 03-143

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Archive					% Moisture
39	KM15-B08-94C	03/13/15	1352	Soil	1																	X					
40	KM15-B08-101C		1354																								
41	KM15-B08-102C		1355																								
42	KM15-B08-79C		1347																								
43	KM15-B08-87C		1350																								
44	KM15-B08-95C		1353																								
45	KM15-B08-103C		1356																								
46	KM15-B08-17C		1235																								
47	KM15-B08-24C		1236																								
48	KM15-B08-7C		1234																								

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		AMEC	3/15/15	2030	
Received		SPECTRUM	3/16/15	423	
Relinquished		SPECTRUM	3/16/15	1120	
Received		Active Ex	3/16/15	1120	
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 03-143

Company: AMEC
Project Number: Kelly-Moore Soil Ex
Project Name: 14697
Project Manager: Tasya Gray
Sampled by: Nathan Moxley

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☒ 2 Days ☐ 3 Days
~~☒ Standard (7 Days)~~ NM 3/13/15
(TPH analysis 5 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Archive					% Moisture
49	KM15-B08-14C	03/13/15	1232	Soil	1																	X					
50	KM15-B08-21C		1233																			X					
51	KM15-B08-Comp 30B		1304											X													X
52	KM15-B08-Comp 31B		1306																								
53	KM15-B08-Comp 32B		1308																								
54	KM15-B08-Comp 41B		1337																								
55	KM15-B08-Comp 54		1340																								
56	KM15-B08-Comp 40B		1338																								
57	KM15-B08-Comp 55		1341																								
58	KM15-B08-Comp 39B		1339																								

	Signature	Company	Date	Time
Relinquished		AMEC	3/15/15	2030
Received		SDC-EDT	3/16/15	0924
Relinquished		SDC-EDT	3/16/15	1120
Received		SDC-EDT	3/16/15	1120
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC
Project Number: ~~KM~~ SL Kelly Moore Soil Ex
Project Name: 14697
Project Manager: Tasya Gray
Sampled by: Nathan Moxley

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☒ 2 Days ☐ 3 Days
~~☒ Standard (7 Days)~~ NM 3/13
(TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 03-143

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
59	KM15-B08-comp-29B	03/13/15	1114	Soil	1									X								X
L60	KM15-B08-comp-42B	↓	1400	↓	↓									↓								↓
L61	KM15-B08-comp 43B		1401																			
L62	KM15-B08-comp 44B		1402																			
L63	KM15-B08-comp 34B		1312																			
L64	KM15-B08-comp 36B	↓	1310	↓																		
L65	KM15-B08-Dup1-031315	3/13/15	0900	Soil	↓									↓								↓

	Signature	Company	Date	Time
Relinquished		AMEC	3/15/15	2030
Received		SPECD-1	3/16/15	924
Relinquished		SPECD-1	3/16/15	1120
Received		OnSite ENV	3/16/15	1120
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 23, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 1503-143B

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 16, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 23, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-143B
Project: 14697

Case Narrative

Samples were collected on March 13, 2015 and received by the laboratory on March 16, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 23, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-143B
Project: 14697

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM15-B08-3C**					
Laboratory ID:	03-143-03					
Aroclor 1016	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**0.14**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**0.17**	0.053	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*105*	*55-140*				
Client ID:	**KM15-B08-4C**					
Laboratory ID:	03-143-04					
Aroclor 1016	**ND**	0.062	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.062	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.062	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.062	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.062	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**0.88**	0.062	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**0.75**	0.062	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*80*	*55-140*				
Client ID:	**KM15-B08-5C**					
Laboratory ID:	03-143-05					
Aroclor 1016	**ND**	0.065	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.065	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.065	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.065	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.065	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**0.43**	0.065	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**0.27**	0.065	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*83*	*55-140*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 23, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-143B
Project: 14697

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM15-B08-6C**					
Laboratory ID:	03-143-06					
Aroclor 1016	**ND**	0.062	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.062	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.062	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.062	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.062	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**0.65**	0.062	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**0.56**	0.062	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*103*	*55-140*				
Client ID:	**KM15-B08-10C**					
Laboratory ID:	03-143-09					
Aroclor 1016	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**0.18**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**0.26**	0.055	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*104*	*55-140*				
Client ID:	**KM15-B08-11C**					
Laboratory ID:	03-143-10					
Aroclor 1016	**ND**	0.066	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.066	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.066	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.066	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.066	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**0.38**	0.066	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**0.32**	0.066	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*103*	*55-140*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 23, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-143B
Project: 14697

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM15-B08-12C**					
Laboratory ID:	03-143-11					
Aroclor 1016	**ND**	0.057	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.057	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.057	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.057	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.057	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**0.24**	0.057	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**0.27**	0.057	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*103*	*55-140*				
Client ID:	**KM15-B08-13C**					
Laboratory ID:	03-143-12					
Aroclor 1016	**ND**	0.068	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.068	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.068	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.068	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.068	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**0.082**	0.068	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**0.11**	0.068	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*104*	*55-140*				
Client ID:	**KM15-B08-46B**					
Laboratory ID:	03-143-16					
Aroclor 1016	**ND**	0.060	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.060	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.060	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.060	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.060	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**0.83**	0.060	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**1.2**	0.060	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*100*	*55-140*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 23, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-143B
Project: 14697

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM15-B08-47ZB**					
Laboratory ID:	03-143-17					
Aroclor 1016	**ND**	0.061	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.061	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.061	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.061	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.061	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**0.41**	0.061	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**0.72**	0.061	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*102*	*55-140*				
Client ID:	**KM15-B08-48B**					
Laboratory ID:	03-143-18					
Aroclor 1016	**ND**	0.057	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.057	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.057	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.057	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.057	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**1.2**	0.057	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**1.4**	0.057	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*102*	*55-140*				
Client ID:	**KM15-B08-53B**					
Laboratory ID:	03-143-22					
Aroclor 1016	**ND**	0.064	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.064	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.064	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.064	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.064	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**0.51**	0.064	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**0.91**	0.064	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*102*	*55-140*				

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Date of Report: March 23, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-143B
Project: 14697

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM15-B08-54B**					
Laboratory ID:	03-143-23					
Aroclor 1016	**ND**	0.067	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.067	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.067	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.067	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.067	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**0.73**	0.067	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**1.1**	0.067	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*102*	*55-140*				
Client ID:	**KM15-B08-55B**					
Laboratory ID:	03-143-24					
Aroclor 1016	**ND**	0.058	EPA 8082A	3-20-15	3-23-15	X
Aroclor 1221	**ND**	0.058	EPA 8082A	3-20-15	3-23-15	X
Aroclor 1232	**ND**	0.058	EPA 8082A	3-20-15	3-23-15	X
Aroclor 1242	**ND**	0.058	EPA 8082A	3-20-15	3-23-15	X
Aroclor 1248	**ND**	0.058	EPA 8082A	3-20-15	3-23-15	X
Aroclor 1254	**ND**	0.058	EPA 8082A	3-20-15	3-23-15	X
Aroclor 1260	**0.083**	0.058	EPA 8082A	3-20-15	3-23-15	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*104*	*55-140*				
Client ID:	**KM15-B08-57C**					
Laboratory ID:	03-143-25					
Aroclor 1016	**ND**	0.059	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.059	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.059	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.059	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.059	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**0.28**	0.059	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**0.58**	0.059	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*103*	*55-140*				

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Date of Report: March 23, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-143B
Project: 14697

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM15-B08-58C**					
Laboratory ID:	03-143-26					
Aroclor 1016	**ND**	0.060	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.060	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.060	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.060	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.060	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**ND**	0.060	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**0.088**	0.060	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*103*	*55-140*				
Client ID:	**KM15-B08-59C**					
Laboratory ID:	03-143-27					
Aroclor 1016	**ND**	0.058	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.058	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.058	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.058	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.058	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**0.31**	0.058	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**0.68**	0.058	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*108*	*55-140*				
Client ID:	**KM15-B08-60C**					
Laboratory ID:	03-143-28					
Aroclor 1016	**ND**	0.058	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.058	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.058	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.058	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.058	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**0.40**	0.058	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**0.95**	0.058	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*103*	*55-140*				

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Date of Report: March 23, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-143B
Project: 14697

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM15-B08-61C**					
Laboratory ID:	03-143-29					
Aroclor 1016	**ND**	0.054	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.054	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.054	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.054	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.054	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**ND**	0.054	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**ND**	0.054	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*94*	*55-140*				
Client ID:	**KM15-B08-77C**					
Laboratory ID:	03-143-30					
Aroclor 1016	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**0.90**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**1.5**	0.055	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*102*	*55-140*				
Client ID:	**KM15-B08-78C**					
Laboratory ID:	03-143-31					
Aroclor 1016	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**0.24**	0.053	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*90*	*55-140*				

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Date of Report: March 23, 2015
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Laboratory Reference: 1503-143B
Project: 14697

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM15-B08-85C**					
Laboratory ID:	03-143-32					
Aroclor 1016	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**0.34**	0.053	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*99*	*55-140*				
Client ID:	**KM15-B08-86C**					
Laboratory ID:	03-143-33					
Aroclor 1016	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**0.23**	0.053	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*99*	*55-140*				
Client ID:	**KM15-B08-148B**					
Laboratory ID:	03-143-34					
Aroclor 1016	**ND**	0.054	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.054	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.054	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.054	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.054	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**ND**	0.054	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**0.37**	0.054	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*91*	*55-140*				

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Date of Report: March 23, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-143B
Project: 14697

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM15-B08-149B**					
Laboratory ID:	03-143-35					
Aroclor 1016	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**0.49**	0.055	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*92*	*55-140*				
Client ID:	**KM15-B08-150B**					
Laboratory ID:	03-143-36					
Aroclor 1016	**ND**	0.061	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.061	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.061	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.061	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.061	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**ND**	0.061	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**0.44**	0.061	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*93*	*55-140*				
Client ID:	**KM15-B08-151B**					
Laboratory ID:	03-143-37					
Aroclor 1016	**ND**	0.056	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.056	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.056	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.056	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.056	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**ND**	0.056	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**0.37**	0.056	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*92*	*55-140*				

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Date of Report: March 23, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-143B
Project: 14697

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM15-B08-79C**					
Laboratory ID:	03-143-42					
Aroclor 1016	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**0.47**	0.053	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*96*	*55-140*				
Client ID:	**KM15-B08-87C**					
Laboratory ID:	03-143-43					
Aroclor 1016	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**ND**	0.053	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**0.25**	0.053	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*88*	*55-140*				
Client ID:	**KM15-B08-95C**					
Laboratory ID:	03-143-44					
Aroclor 1016	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**0.15**	0.055	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*82*	*55-140*				

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Date of Report: March 23, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-143B
Project: 14697

PCBs EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM15-B08-103C**					
Laboratory ID:	03-143-45					
Aroclor 1016	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**ND**	0.055	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**0.41**	0.055	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*84*	*55-140*				

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Date of Report: March 23, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-143B
Project: 14697

PCBs EPA 8082A
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0320S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	3-20-15	3-20-15	
Aroclor 1221	**ND**	0.050	EPA 8082A	3-20-15	3-20-15	
Aroclor 1232	**ND**	0.050	EPA 8082A	3-20-15	3-20-15	
Aroclor 1242	**ND**	0.050	EPA 8082A	3-20-15	3-20-15	
Aroclor 1248	**ND**	0.050	EPA 8082A	3-20-15	3-20-15	
Aroclor 1254	**ND**	0.050	EPA 8082A	3-20-15	3-20-15	
Aroclor 1260	**ND**	0.050	EPA 8082A	3-20-15	3-20-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*104*	*55-140*				
Laboratory ID:	MB0320S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	3-20-15	3-23-15	X
Aroclor 1221	**ND**	0.050	EPA 8082A	3-20-15	3-23-15	X
Aroclor 1232	**ND**	0.050	EPA 8082A	3-20-15	3-23-15	X
Aroclor 1242	**ND**	0.050	EPA 8082A	3-20-15	3-23-15	X
Aroclor 1248	**ND**	0.050	EPA 8082A	3-20-15	3-23-15	X
Aroclor 1254	**ND**	0.050	EPA 8082A	3-20-15	3-23-15	X
Aroclor 1260	**ND**	0.050	EPA 8082A	3-20-15	3-23-15	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*104*	*55-140*				
Laboratory ID:	MB0320S2					
Aroclor 1016	**ND**	0.050	EPA 8082A	3-20-15	3-21-15	
Aroclor 1221	**ND**	0.050	EPA 8082A	3-20-15	3-21-15	
Aroclor 1232	**ND**	0.050	EPA 8082A	3-20-15	3-21-15	
Aroclor 1242	**ND**	0.050	EPA 8082A	3-20-15	3-21-15	
Aroclor 1248	**ND**	0.050	EPA 8082A	3-20-15	3-21-15	
Aroclor 1254	**ND**	0.050	EPA 8082A	3-20-15	3-21-15	
Aroclor 1260	**ND**	0.050	EPA 8082A	3-20-15	3-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*102*	*55-140*				

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Date of Report: March 23, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-143B
Project: 14697

PCBs EPA 8082A
MATRIX SPIKES QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
Laboratory ID:	03-143-24										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.459**	**0.505**	0.500	0.500	0.0720	**77**	**87**	46-136	10	17	X
Surrogate:											
DCB						*104*	*104*	*55-140*			
Laboratory ID:	03-143-33										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.628**	**0.614**	0.500	0.500	0.214	**83**	**80**	46-136	2	17	
Surrogate:											
DCB						*94*	*91*	*55-140*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 23, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-143B
Project: 14697

% MOISTURE

Date Analyzed: 3-17&20-15

Client ID	Lab ID	% Moisture
KM15-B08-3C	03-143-03	5
KM15-B08-4C	03-143-04	19
KM15-B08-5C	03-143-05	23
KM15-B08-6C	03-143-06	20
KM15-B08-10C	03-143-09	9
KM15-B08-11C	03-143-10	24
KM15-B08-12C	03-143-11	13
KM15-B08-13C	03-143-12	26
KM15-B08-46B	03-143-16	17
KM15-B08-47ZB	03-143-17	18
KM15-B08-48B	03-143-18	12
KM15-B08-53B	03-143-22	22
KM15-B08-54B	03-143-23	25
KM15-B08-55B	03-143-24	13
KM15-B08-57C	03-143-25	15
KM15-B08-58C	03-143-26	17
KM15-B08-59C	03-143-27	13
KM15-B08-60C	03-143-28	14
KM15-B08-61C	03-143-29	8
KM15-B08-77C	03-143-30	8
KM15-B08-78C	03-143-31	5
KM15-B08-85C	03-143-32	6
KM15-B08-86C	03-143-33	5
KM15-B08-148B	03-143-34	8
KM15-B08-149B	03-143-35	9
KM15-B08-150B	03-143-36	18
KM15-B08-151B	03-143-37	11

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 23, 2015
Samples Submitted: March 16, 2015
Laboratory Reference: 1503-143B
Project: 14697

% MOISTURE

Date Analyzed: 3-17&20-15

Client ID	Lab ID	% Moisture
KM15-B08-79C	03-143-42	5
KM15-B08-87C	03-143-43	6
KM15-B08-95C	03-143-44	9
KM15-B08-103C	03-143-45	9

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

Page 1 of 7

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC
Project Number: Kelly-Moore Soil Ex
Project Name: 14697
Project Manager: Tasya Gray
Sampled by: ~~NM~~ Nathan Moxley

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☒ 2 Days ☐ 3 Days
☒ ~~Standard (7 Days)~~ NM 3/13/15
(TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 03-143

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Archive					% Moisture
~~B7-piping-B5-5.0~~		~~03/13/15~~	~~0750~~	~~Soil~~ 3/13 NM																							
~~B7-piping-SIB-4.0~~			~~0755~~	3/13 NM																							
1	KM15-B08-1C	03/13/15	1220	Soil	1																	X					
2	KM15-B08-2C		1221																								
3	KM15-B08-3C		1222											X													X
4	KM15-B08-4C		1223											X													X
5	KM15-B08-5C		1224											X													X
6	KM15-B08-6C		1225											X													X
7	KM15-B08-8C		1226																								
8	KM15-B08-9C		1227																								

	Signature	Company	Date	Time
Relinquished		AMEC	3/15/15	2030
Received		SPECTRUM	3/16/15	923
Relinquished		SPECTRUM	3/16/15	1124
Received		ONSITE	3/16/15	1124
Relinquished				
Received				

Comments/Special Instructions
X Added 3/16/15 BG
2 day TA

Reviewed/Date | Reviewed/Date | Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC
Project Number: 14097
Project Name: Kelly-Moore Soil Ex
Project Manager: Tasya Gray
Sampled by: Nathan Moxley

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
~~☒ 2 Days~~ ☐ 3 Days
☒ Standard (7 Days) NM 3/10/15
(TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 03-143

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Archive				% Moisture
9	KM15-B08-10C	03/13/15	1228	Soil	1									X								X				X
10	KM15-B08-11C		1229											X												X
11	KM15-B08-12C		1230											X												X
12	KM15-B08-13C		1231											X												X
13	KM15-B08-43C		1320																							
14	KM15-B08-44C		1321																							
15	KM15-B08-45C		1322																							
16	KM15-B08-46B		1323											X												X
17	KM15-B08-47B		1324											X												X
18	KM15-B08-48B		1325											X												X

	Signature	Company	Date	Time
Relinquished		AMEC	3/15/15	2030
Received		GPRS	3/16/15	0423
Relinquished		GPRS	3/16/15	1120
Received		OnSite Env	3/16/15	1120
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 03-143

Company: AMEC
Project Number: 14097
Project Name: Kelly-Moore Soil Ex
Project Manager: Tasya Gray
Sampled by: Nathan Moxley

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☒ 2 Days ☐ 3 Days
~~☒ Standard (7 Days)~~ NM 3/13/15
(TPH analysis 5 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Archive				% Moisture
19	KM15-B08-50C	03/13/15	1326	Soil	1																	X				
20	KM15-B08-51C		1327																							
21	KM15-B08-52C		1328																							
22	KM15-B08-53B		1329											X												X
23	KM15-B08-54B		1330											X												X
24	KM15-B08-55B		1331											X												X
25	KM15-B08-57C		1332											X												X
26	KM15-B08-58C		1333											X												X
27	KM15-B08-59C		1334											X												X
28	KM15-B08-60C		1335											X												X

	Signature	Company	Date	Time
Relinquished		AMEC	3/15/15	2030
Received		GPRS	3/16/15	923
Relinquished		GPRS	3/16/15	1121
Received		OnSite Env	3/16/15	1121
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC
Project Number: 14697
Project Name: Kelly-Moore Soil Ex
Project Manager: Tasya Gray
Sampled by: Nathan Moxley

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☒ 2 Days ☐ 3 Days
~~☒ Standard (7 Days)~~ NM 3/13/15
(TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 03-143

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Archive				% Moisture
29	KM15-B08-61C	03/13/15	1336	Soil	1									X								X				X
30	KM15-B08-77C		1345											X												X
31	KM15-B08-78C		1346											X												X
32	KM15-B08-85C		1348											X												X
33	KM15-B08-86C		1349											X												X
34	KM15-B08-148B		1110											X												X
35	KM15-B08-149B		1111											X												X
36	KM15-B08-150B		1112											X												X
37	KM15-B08-151B		1113											X												X
38	KM15-B08-93C	↓	1351	↓	↓																	↓				

	Signature	Company	Date	Time
Relinquished		AMEC	3/15/15	2030
Received		GeoDy	3/16/15	923
Relinquished		GeoDy	3/16/15	1120
Received		GeoEn	3/16/15	1120
Relinquished				
Received				

Comments/Special Instructions

Reviewed/Date | Reviewed/Date | Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC
Project Number: 14697
Project Name: Kelly-Moore Soil Ex
Project Manager: Tasya Gray
Sampled by: Nathan Moxley

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☒ 2 Days ☐ 3 Days
~~☒ Standard (7 Days)~~ NM 3/13/15
(TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 03-143

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Archive					% Moisture
39	KM15-B08-94C	03/13/15	1352	Soil	1																	X					
40	KM15-B08-101C		1354																								
41	KM15-B08-102C		1355																								
42	KM15-B08-79C		1347											X													X
43	KM15-B08-87C		1350											X													X
44	KM15-B08-95C		1353											X													X
45	KM15-B08-103C		1356											X													X
46	KM15-B08-17C		1235																								
47	KM15-B08-24C		1236																								
48	KM15-B08-7C		1234																								

	Signature	Company	Date	Time
Relinquished		AMEC	3/15/15	2030
Received		SPECTRA	3/16/15	423
Relinquished		SPECTRA	3/16/15	1120
Received		Active EO	3/16/15	1120
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC
Project Number: Kelly-Moore Soil Ex
Project Name: 14697
Project Manager: Tasya Gray
Sampled by: Nathan Moxley

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☒ 2 Days ☐ 3 Days
~~☒ Standard (7 Days)~~ NM 3/13/15
(TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 03-143

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Archive					% Moisture
49	KM15-B08-14C	03/13/15	1232	Soil	1																	X					
50	KM15-B08-21C		1233																			X					
51	KM15-B08-Comp 30B		1304											X													X
52	KM15-B08-Comp 31B		1306																								
53	KM15-B08-Comp 32B		1308																								
54	KM15-B08-Comp 41B		1337																								
55	KM15-B08-Comp 54		1340																								
56	KM15-B08-Comp 40B		1338																								
57	KM15-B08-Comp 55		1341																								
58	KM15-B08-Comp 39B		1339																								

	Signature	Company	Date	Time
Relinquished		AMEC	3/15/15	2030
Received		SPECTRUM	3/16/15	0924
Relinquished		SPECTRUM	3/16/15	1120
Received		Onsite Env	3/16/15	1120
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC
Project Number: SL KAA Kelly Moore Soil Ex
Project Name: 14697
Project Manager: Tasya Gray
Sampled by: Nathan Moxley

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☒ 2 Days ☐ 3 Days
~~☒ Standard (7 Days)~~ NM 3/13
(TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 03-143

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
59	KM15-B08-comp-29B	03/13/15	1114	Soil	1									X								X
60	KM15-B08-comp-42B		1400																			
61	KM15-B08-comp 43B		1401																			
62	KM15-B08-comp 44B		1402																			
63	KM15-B08-comp 34B		1312																			
64	KM15-B08-comp 36B		1310																			
65	KM15-B08-Dup1-031315	3/13/15	0900	Soil																		

	Signature	Company	Date	Time
Relinquished		AMEC	3/15/15	2030
Received		SPECD-1	3/16/15	924
Relinquished		SPECD-1	3/16/15	1120
Received		OnSite ENV	3/16/15	1120
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 26, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 1503-274

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 25, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 26, 2015
Samples Submitted: March 25, 2015
Laboratory Reference: 1503-274
Project: 14697

Case Narrative

Samples were collected on March 25, 2015 and received by the laboratory on March 25, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 26, 2015
Samples Submitted: March 25, 2015
Laboratory Reference: 1503-274
Project: 14697

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM15-B08-4D**					
Laboratory ID:	03-274-01					
Aroclor 1016	**ND**	0.066	EPA 8082A	3-25-15	3-25-15	
Aroclor 1221	**ND**	0.066	EPA 8082A	3-25-15	3-25-15	
Aroclor 1232	**ND**	0.066	EPA 8082A	3-25-15	3-25-15	
Aroclor 1242	**ND**	0.066	EPA 8082A	3-25-15	3-25-15	
Aroclor 1248	**ND**	0.066	EPA 8082A	3-25-15	3-25-15	
Aroclor 1254	**0.23**	0.066	EPA 8082A	3-25-15	3-25-15	
Aroclor 1260	**0.20**	0.066	EPA 8082A	3-25-15	3-25-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***110***	***55-140***				
Client ID:	**KM15-B08-6D**					
Laboratory ID:	03-274-02					
Aroclor 1016	**ND**	0.065	EPA 8082A	3-25-15	3-25-15	
Aroclor 1221	**ND**	0.065	EPA 8082A	3-25-15	3-25-15	
Aroclor 1232	**ND**	0.065	EPA 8082A	3-25-15	3-25-15	
Aroclor 1242	**ND**	0.065	EPA 8082A	3-25-15	3-25-15	
Aroclor 1248	**ND**	0.065	EPA 8082A	3-25-15	3-25-15	
Aroclor 1254	**0.31**	0.065	EPA 8082A	3-25-15	3-25-15	
Aroclor 1260	**0.25**	0.065	EPA 8082A	3-25-15	3-25-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***110***	***55-140***				
Client ID:	**KM15-B08-46D**					
Laboratory ID:	03-274-04					
Aroclor 1016	**ND**	0.062	EPA 8082A	3-25-15	3-25-15	
Aroclor 1221	**ND**	0.062	EPA 8082A	3-25-15	3-25-15	
Aroclor 1232	**ND**	0.062	EPA 8082A	3-25-15	3-25-15	
Aroclor 1242	**ND**	0.062	EPA 8082A	3-25-15	3-25-15	
Aroclor 1248	**ND**	0.062	EPA 8082A	3-25-15	3-25-15	
Aroclor 1254	**ND**	0.062	EPA 8082A	3-25-15	3-25-15	
Aroclor 1260	**ND**	0.062	EPA 8082A	3-25-15	3-25-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***91***	***55-140***				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 26, 2015
Samples Submitted: March 25, 2015
Laboratory Reference: 1503-274
Project: 14697

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM15-B08-47D**					
Laboratory ID:	03-274-05					
Aroclor 1016	**ND**	0.063	EPA 8082A	3-25-15	3-25-15	
Aroclor 1221	**ND**	0.063	EPA 8082A	3-25-15	3-25-15	
Aroclor 1232	**ND**	0.063	EPA 8082A	3-25-15	3-25-15	
Aroclor 1242	**ND**	0.063	EPA 8082A	3-25-15	3-25-15	
Aroclor 1248	**ND**	0.063	EPA 8082A	3-25-15	3-25-15	
Aroclor 1254	**ND**	0.063	EPA 8082A	3-25-15	3-25-15	
Aroclor 1260	**ND**	0.063	EPA 8082A	3-25-15	3-25-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***79***	***55-140***				
Client ID:	**KM15-B08-48D**					
Laboratory ID:	03-274-06					
Aroclor 1016	**ND**	0.064	EPA 8082A	3-25-15	3-25-15	
Aroclor 1221	**ND**	0.064	EPA 8082A	3-25-15	3-25-15	
Aroclor 1232	**ND**	0.064	EPA 8082A	3-25-15	3-25-15	
Aroclor 1242	**ND**	0.064	EPA 8082A	3-25-15	3-25-15	
Aroclor 1248	**ND**	0.064	EPA 8082A	3-25-15	3-25-15	
Aroclor 1254	**ND**	0.064	EPA 8082A	3-25-15	3-25-15	
Aroclor 1260	**0.11**	0.064	EPA 8082A	3-25-15	3-25-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***83***	***55-140***				
Client ID:	**KM15-B08-53D**					
Laboratory ID:	03-274-07					
Aroclor 1016	**ND**	0.060	EPA 8082A	3-25-15	3-25-15	
Aroclor 1221	**ND**	0.060	EPA 8082A	3-25-15	3-25-15	
Aroclor 1232	**ND**	0.060	EPA 8082A	3-25-15	3-25-15	
Aroclor 1242	**ND**	0.060	EPA 8082A	3-25-15	3-25-15	
Aroclor 1248	**ND**	0.060	EPA 8082A	3-25-15	3-25-15	
Aroclor 1254	**ND**	0.060	EPA 8082A	3-25-15	3-25-15	
Aroclor 1260	**ND**	0.060	EPA 8082A	3-25-15	3-25-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***95***	***55-140***				

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Date of Report: March 26, 2015
Samples Submitted: March 25, 2015
Laboratory Reference: 1503-274
Project: 14697

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM15-B08-54D**					
Laboratory ID:	03-274-08					
Aroclor 1016	**ND**	0.063	EPA 8082A	3-25-15	3-25-15	
Aroclor 1221	**ND**	0.063	EPA 8082A	3-25-15	3-25-15	
Aroclor 1232	**ND**	0.063	EPA 8082A	3-25-15	3-25-15	
Aroclor 1242	**ND**	0.063	EPA 8082A	3-25-15	3-25-15	
Aroclor 1248	**ND**	0.063	EPA 8082A	3-25-15	3-25-15	
Aroclor 1254	**ND**	0.063	EPA 8082A	3-25-15	3-25-15	
Aroclor 1260	**ND**	0.063	EPA 8082A	3-25-15	3-25-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***97***	***55-140***				
Client ID:	**KM15-B08-60D**					
Laboratory ID:	03-274-09					
Aroclor 1016	**ND**	0.064	EPA 8082A	3-25-15	3-25-15	
Aroclor 1221	**ND**	0.064	EPA 8082A	3-25-15	3-25-15	
Aroclor 1232	**ND**	0.064	EPA 8082A	3-25-15	3-25-15	
Aroclor 1242	**ND**	0.064	EPA 8082A	3-25-15	3-25-15	
Aroclor 1248	**ND**	0.064	EPA 8082A	3-25-15	3-25-15	
Aroclor 1254	**ND**	0.064	EPA 8082A	3-25-15	3-25-15	
Aroclor 1260	**ND**	0.064	EPA 8082A	3-25-15	3-25-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***60***	***55-140***				
Client ID:	**KM15-B08-77D**					
Laboratory ID:	03-274-10					
Aroclor 1016	**ND**	0.060	EPA 8082A	3-25-15	3-25-15	
Aroclor 1221	**ND**	0.060	EPA 8082A	3-25-15	3-25-15	
Aroclor 1232	**ND**	0.060	EPA 8082A	3-25-15	3-25-15	
Aroclor 1242	**ND**	0.060	EPA 8082A	3-25-15	3-25-15	
Aroclor 1248	**ND**	0.060	EPA 8082A	3-25-15	3-25-15	
Aroclor 1254	**ND**	0.060	EPA 8082A	3-25-15	3-25-15	
Aroclor 1260	**0.22**	0.060	EPA 8082A	3-25-15	3-25-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***82***	***55-140***				

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Date of Report: March 26, 2015
Samples Submitted: March 25, 2015
Laboratory Reference: 1503-274
Project: 14697

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM15-B08-91D**					
Laboratory ID:	03-274-11					
Aroclor 1016	**ND**	0.059	EPA 8082A	3-25-15	3-26-15	
Aroclor 1221	**ND**	0.059	EPA 8082A	3-25-15	3-26-15	
Aroclor 1232	**ND**	0.059	EPA 8082A	3-25-15	3-26-15	
Aroclor 1242	**ND**	0.059	EPA 8082A	3-25-15	3-26-15	
Aroclor 1248	**ND**	0.059	EPA 8082A	3-25-15	3-26-15	
Aroclor 1254	**ND**	0.059	EPA 8082A	3-25-15	3-26-15	
Aroclor 1260	**ND**	0.059	EPA 8082A	3-25-15	3-26-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***89***	***55-140***				
Client ID:	**KM15-B08-Dup 1**					
Laboratory ID:	03-274-12					
Aroclor 1016	**ND**	0.065	EPA 8082A	3-25-15	3-26-15	
Aroclor 1221	**ND**	0.065	EPA 8082A	3-25-15	3-26-15	
Aroclor 1232	**ND**	0.065	EPA 8082A	3-25-15	3-26-15	
Aroclor 1242	**ND**	0.065	EPA 8082A	3-25-15	3-26-15	
Aroclor 1248	**ND**	0.065	EPA 8082A	3-25-15	3-26-15	
Aroclor 1254	**0.11**	0.065	EPA 8082A	3-25-15	3-26-15	
Aroclor 1260	**0.094**	0.065	EPA 8082A	3-25-15	3-26-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***91***	***55-140***				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 26, 2015
Samples Submitted: March 25, 2015
Laboratory Reference: 1503-274
Project: 14697

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0325S2					
Aroclor 1016	**ND**	0.050	EPA 8082A	3-25-15	3-25-15	
Aroclor 1221	**ND**	0.050	EPA 8082A	3-25-15	3-25-15	
Aroclor 1232	**ND**	0.050	EPA 8082A	3-25-15	3-25-15	
Aroclor 1242	**ND**	0.050	EPA 8082A	3-25-15	3-25-15	
Aroclor 1248	**ND**	0.050	EPA 8082A	3-25-15	3-25-15	
Aroclor 1254	**ND**	0.050	EPA 8082A	3-25-15	3-25-15	
Aroclor 1260	**ND**	0.050	EPA 8082A	3-25-15	3-25-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
DCB	***109***	***55-140***				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-274-07										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.363**	**0.358**	0.500	0.500	ND	**73**	**72**	46-136	1	17	
Surrogate:											
DCB						***92***	***93***	***55-140***			

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 26, 2015
Samples Submitted: March 25, 2015
Laboratory Reference: 1503-274
Project: 14697

% MOISTURE

Date Analyzed: 3-25-15

Client ID	Lab ID	% Moisture
KM15-B08-4D	03-274-01	24
KM15-B08-6D	03-274-02	23
KM15-B08-46D	03-274-04	19
KM15-B08-47D	03-274-05	21
KM15-B08-48D	03-274-06	21
KM15-B08-53D	03-274-07	16
KM15-B08-54D	03-274-08	21
KM15-B08-60D	03-274-09	22
KM15-B08-77D	03-274-10	17
KM15-B08-91D	03-274-11	15
KM15-B08-Dup 1	03-274-12	24

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Amec
Project Number: 14697
Project Name: Kelly-Moore
Project Manager: Tasya Gray
Sampled by: Nathan Moxley

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☐ Standard (7 Days) (TPH analysis 5 Days)
☒ ASAP (other)

Laboratory Number: 03-274

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
1	KM15-B08-4D	3/25/15	1000	So.1	1									X								X
2	KM15-B08-6D		1001																			X
~~3~~	~~KM15-B08-38D~~		1002																			X
4	KM15-B08-46D		1003																			X
5	KM15-B08-47D		1004																			X
6	KM15-B08-48D		1005																			X
7	KM15-B08-53D		1006																			X
8	KM15-B08-54D		1007																			X
9	KM15-B08-60D		1008																			X
10	KM15-B08-77D		1009																			X

	Signature	Company	Date	Time
Relinquished		Amec	3/25/15	1115
Received		GPacDT	3/25/15	1115
Relinquished		GPacDT	3/25/15	1326
Received		Centrilea	3/25/15	1330
Relinquished				
Received				

Comments/Special Instructions

Reviewed/Date

Reviewed/Date

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Amec
Project Number: 14697
Project Name: Kelly-Moore
Project Manager: Tasya Gray
Sampled by: Nathan Mosley

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☐ Standard (7 Days) (TPH analysis 5 Days)
☒ ASAP (other)

Laboratory Number: 03-274

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
11	KM15-B08-910	3/25/15	1010	Soil	1									X								X
12	KM15-B08-Dup1	↓	1011	Soil	1									X								X

	Signature	Company	Date	Time
Relinquished		Amec	3/25/15	1115
Received		EPoeT1	3/25/15	1115
Relinquished		SPCOY	3/25/15	1825
Received		Onsite Env	3/25/15	1330
Relinquished				
Received				

Comments/Special Instructions

Reviewed/Date

Reviewed/Date

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 26, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 1503-283

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 26, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 26, 2015
Samples Submitted: March 26, 2015
Laboratory Reference: 1503-283
Project: 14697

Case Narrative

Samples were collected on March 25, 2015 and received by the laboratory on March 26, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 26, 2015
Samples Submitted: March 26, 2015
Laboratory Reference: 1503-283
Project: 14697

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM15-B08-38D**					
Laboratory ID:	03-283-01					
Aroclor 1016	**ND**	0.063	EPA 8082A	3-26-15	3-26-15	
Aroclor 1221	**ND**	0.063	EPA 8082A	3-26-15	3-26-15	
Aroclor 1232	**ND**	0.063	EPA 8082A	3-26-15	3-26-15	
Aroclor 1242	**ND**	0.063	EPA 8082A	3-26-15	3-26-15	
Aroclor 1248	**ND**	0.063	EPA 8082A	3-26-15	3-26-15	
Aroclor 1254	**ND**	0.063	EPA 8082A	3-26-15	3-26-15	
Aroclor 1260	**0.091**	0.063	EPA 8082A	3-26-15	3-26-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*87*	*55-140*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 26, 2015
Samples Submitted: March 26, 2015
Laboratory Reference: 1503-283
Project: 14697

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0326S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	3-26-15	3-26-15	
Aroclor 1221	**ND**	0.050	EPA 8082A	3-26-15	3-26-15	
Aroclor 1232	**ND**	0.050	EPA 8082A	3-26-15	3-26-15	
Aroclor 1242	**ND**	0.050	EPA 8082A	3-26-15	3-26-15	
Aroclor 1248	**ND**	0.050	EPA 8082A	3-26-15	3-26-15	
Aroclor 1254	**ND**	0.050	EPA 8082A	3-26-15	3-26-15	
Aroclor 1260	**ND**	0.050	EPA 8082A	3-26-15	3-26-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*106*	*55-140*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0326S1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.530**	**0.534**	0.500	0.500	N/A	**106**	**107**	64-127	1	11	
Surrogate:											
DCB						*106*	*107*	*55-140*			

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 26, 2015
Samples Submitted: March 26, 2015
Laboratory Reference: 1503-283
Project: 14697

% MOISTURE

Date Analyzed: 3-26-15

Client ID	Lab ID	% Moisture
KM15-B08-38D	03-283-01	21

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Amec
Project Number: 4697
Project Name: Kelly-Moore
Project Manager: Tasya Gray
Sampled by: Nathan Moxley

Turnaround Request (in working days)
(Check One)
- [x] Same Day
- [ ] 1 Day
- [ ] 2 Days
- [ ] 3 Days
- [ ] Standard (7 Days) (TPH analysis 5 Days)
- [ ) _____ (other)

Laboratory Number: 03-283

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A						% Moisture
1	KM15-B08-38D	3/25/15	1530	Soil	1									X													X

	Signature	Company	Date	Time
Relinquished		Amec	3/26/15	0630
Received		SPECTR	3/26/15	802
Relinquished		SPECTR	3/26/15	874
Received		OSE	3/26/15	0839
Relinquished				
Received				

Comments/Special Instructions

Reviewed/Date

Reviewed/Date

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

June 26, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 1506-208

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on June 19, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

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Date of Report: June 26, 2015
Samples Submitted: June 19, 2015
Laboratory Reference: 1506-208
Project: 14697

Case Narrative

Samples were collected on June 18, 2015 and received by the laboratory on June 19, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The sample chromatogram is similar to mineral spirits.

Volatiles EPA 8260C Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Some MTCA Method A cleanup levels are non-achievable for sample TANK2-SOIL-B1-9.5 due to the necessary dilution of the sample.

Surrogate Standard 4-Bromofluorobenzene is outside control limits on the high end for sample TANK2-SOIL-B1-9.5 due to co-eluting non-target analytes.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

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Date of Report: June 26, 2015
Samples Submitted: June 19, 2015
Laboratory Reference: 1506-208
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TANK2-SOIL-B1-9.5**					
Laboratory ID:	06-208-01					
Gasoline	**2700**	160	NWTPH-Gx	6-22-15	6-23-15	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*71*	*68-123*				

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Samples Submitted: June 19, 2015
Laboratory Reference: 1506-208
Project: 14697

NWTPH-Gx
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0622S1					
Gasoline	**ND**	5.0	NWTPH-Gx	6-25-15	6-25-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*87*	*68-123*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	06-224-01										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*83*	*84*	*68-123*			

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Date of Report: June 26, 2015
Samples Submitted: June 19, 2015
Laboratory Reference: 1506-208
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TANK2-SOIL-B1-9.5**					
Laboratory ID:	06-208-01					
Diesel Range Organics	**2100**	30	NWTPH-Dx	6-23-15	6-23-15	M
Lube Oil	**280**	60	NWTPH-Dx	6-23-15	6-23-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*110*	*50-150*				

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Date of Report: June 26, 2015
Samples Submitted: June 19, 2015
Laboratory Reference: 1506-208
Project: 14697

NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0623S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	6-23-15	6-23-15	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	6-23-15	6-23-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*83*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	06-200-01										
	ORIG	DUP									
Diesel Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Surrogate:											
o-Terphenyl						*83*	*78*	*50-150*			

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Date of Report: June 26, 2015
Samples Submitted: June 19, 2015
Laboratory Reference: 1506-208
Project: 14697

VOLATILES EPA 8260C
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TANK2-SOIL-B1-9.5**					
Laboratory ID:	06-208-01					
Dichlorodifluoromethane	ND	0.34	EPA 8260C	6-22-15	6-22-15	
Chloromethane	ND	1.7	EPA 8260C	6-22-15	6-22-15	
Vinyl Chloride	ND	0.34	EPA 8260C	6-22-15	6-22-15	
Bromomethane	ND	0.34	EPA 8260C	6-22-15	6-22-15	
Chloroethane	ND	1.7	EPA 8260C	6-22-15	6-22-15	
Trichlorofluoromethane	ND	0.34	EPA 8260C	6-22-15	6-22-15	
1,1-Dichloroethene	ND	0.34	EPA 8260C	6-22-15	6-22-15	
Acetone	ND	3.4	EPA 8260C	6-22-15	6-22-15	
Iodomethane	ND	1.7	EPA 8260C	6-22-15	6-22-15	
Carbon Disulfide	ND	0.34	EPA 8260C	6-22-15	6-22-15	
Methylene Chloride	ND	1.7	EPA 8260C	6-22-15	6-22-15	
(trans) 1,2-Dichloroethene	ND	0.34	EPA 8260C	6-22-15	6-22-15	
Methyl t-Butyl Ether	ND	0.34	EPA 8260C	6-22-15	6-22-15	
1,1-Dichloroethane	ND	0.34	EPA 8260C	6-22-15	6-22-15	
Vinyl Acetate	ND	1.7	EPA 8260C	6-22-15	6-22-15	
2,2-Dichloropropane	ND	0.34	EPA 8260C	6-22-15	6-22-15	
(cis) 1,2-Dichloroethene	ND	0.34	EPA 8260C	6-22-15	6-22-15	
2-Butanone	ND	1.7	EPA 8260C	6-22-15	6-22-15	
Bromochloromethane	ND	0.34	EPA 8260C	6-22-15	6-22-15	
Chloroform	ND	0.34	EPA 8260C	6-22-15	6-22-15	
1,1,1-Trichloroethane	ND	0.34	EPA 8260C	6-22-15	6-22-15	
Carbon Tetrachloride	ND	0.34	EPA 8260C	6-22-15	6-22-15	
1,1-Dichloropropene	ND	0.34	EPA 8260C	6-22-15	6-22-15	
Benzene	ND	0.34	EPA 8260C	6-22-15	6-22-15	
1,2-Dichloroethane	ND	0.34	EPA 8260C	6-22-15	6-22-15	
Trichloroethene	ND	0.34	EPA 8260C	6-22-15	6-22-15	
1,2-Dichloropropane	ND	0.34	EPA 8260C	6-22-15	6-22-15	
Dibromomethane	ND	0.34	EPA 8260C	6-22-15	6-22-15	
Bromodichloromethane	ND	0.34	EPA 8260C	6-22-15	6-22-15	
2-Chloroethyl Vinyl Ether	ND	1.7	EPA 8260C	6-22-15	6-22-15	
(cis) 1,3-Dichloropropene	ND	0.34	EPA 8260C	6-22-15	6-22-15	
Methyl Isobutyl Ketone	ND	1.7	EPA 8260C	6-22-15	6-22-15	
Toluene	ND	1.7	EPA 8260C	6-22-15	6-22-15	
(trans) 1,3-Dichloropropene	ND	0.34	EPA 8260C	6-22-15	6-22-15	

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Date of Report: June 26, 2015
Samples Submitted: June 19, 2015
Laboratory Reference: 1506-208
Project: 14697

VOLATILES EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TANK2-SOIL-B1-9.5**					
Laboratory ID:	06-208-01					
1,1,2-Trichloroethane	ND	0.34	EPA 8260C	6-22-15	6-22-15	
Tetrachloroethene	ND	0.34	EPA 8260C	6-22-15	6-22-15	
1,3-Dichloropropane	ND	0.34	EPA 8260C	6-22-15	6-22-15	
2-Hexanone	ND	1.7	EPA 8260C	6-22-15	6-22-15	
Dibromochloromethane	ND	0.34	EPA 8260C	6-22-15	6-22-15	
1,2-Dibromoethane	ND	0.34	EPA 8260C	6-22-15	6-22-15	
Chlorobenzene	ND	0.34	EPA 8260C	6-22-15	6-22-15	
1,1,1,2-Tetrachloroethane	ND	0.34	EPA 8260C	6-22-15	6-22-15	
Ethylbenzene	ND	0.34	EPA 8260C	6-22-15	6-22-15	
m,p-Xylene	ND	0.68	EPA 8260C	6-22-15	6-22-15	
o-Xylene	ND	0.34	EPA 8260C	6-22-15	6-22-15	
Styrene	ND	0.34	EPA 8260C	6-22-15	6-22-15	
Bromoform	ND	0.34	EPA 8260C	6-22-15	6-22-15	
Isopropylbenzene	2.1	0.34	EPA 8260C	6-22-15	6-22-15	
Bromobenzene	ND	0.34	EPA 8260C	6-22-15	6-22-15	
1,1,2,2-Tetrachloroethane	ND	0.34	EPA 8260C	6-22-15	6-22-15	
1,2,3-Trichloropropane	ND	0.34	EPA 8260C	6-22-15	6-22-15	
n-Propylbenzene	3.0	0.34	EPA 8260C	6-22-15	6-22-15	
2-Chlorotoluene	ND	0.34	EPA 8260C	6-22-15	6-22-15	
4-Chlorotoluene	ND	0.34	EPA 8260C	6-22-15	6-22-15	
1,3,5-Trimethylbenzene	ND	0.34	EPA 8260C	6-22-15	6-22-15	
tert-Butylbenzene	ND	0.34	EPA 8260C	6-22-15	6-22-15	
1,2,4-Trimethylbenzene	ND	0.34	EPA 8260C	6-22-15	6-22-15	
sec-Butylbenzene	0.95	0.34	EPA 8260C	6-22-15	6-22-15	
1,3-Dichlorobenzene	ND	0.34	EPA 8260C	6-22-15	6-22-15	
p-Isopropyltoluene	ND	0.34	EPA 8260C	6-22-15	6-22-15	
1,4-Dichlorobenzene	ND	0.34	EPA 8260C	6-22-15	6-22-15	
1,2-Dichlorobenzene	ND	0.34	EPA 8260C	6-22-15	6-22-15	
n-Butylbenzene	1.8	0.34	EPA 8260C	6-22-15	6-22-15	
1,2-Dibromo-3-chloropropane	ND	1.7	EPA 8260C	6-22-15	6-22-15	
1,2,4-Trichlorobenzene	ND	0.34	EPA 8260C	6-22-15	6-22-15	
Hexachlorobutadiene	ND	1.7	EPA 8260C	6-22-15	6-22-15	
Naphthalene	ND	0.34	EPA 8260C	6-22-15	6-22-15	
1,2,3-Trichlorobenzene	ND	0.34	EPA 8260C	6-22-15	6-22-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*82*	*76-131*				
Toluene-d8	*85*	*82-129*				
4-Bromofluorobenzene	*142*	*79-126*				Q

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Date of Report: June 26, 2015
Samples Submitted: June 19, 2015
Laboratory Reference: 1506-208
Project: 14697

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0622S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
Chloromethane	ND	0.0050	EPA 8260C	6-22-15	6-22-15	
Vinyl Chloride	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
Bromomethane	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
Chloroethane	ND	0.0050	EPA 8260C	6-22-15	6-22-15	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
Acetone	ND	0.010	EPA 8260C	6-22-15	6-22-15	
Iodomethane	ND	0.0050	EPA 8260C	6-22-15	6-22-15	
Carbon Disulfide	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
Methylene Chloride	ND	0.0050	EPA 8260C	6-22-15	6-22-15	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
Vinyl Acetate	ND	0.0050	EPA 8260C	6-22-15	6-22-15	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
2-Butanone	ND	0.0050	EPA 8260C	6-22-15	6-22-15	
Bromochloromethane	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
Chloroform	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
Benzene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
Trichloroethene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
Dibromomethane	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
Bromodichloromethane	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	6-22-15	6-22-15	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260C	6-22-15	6-22-15	
Toluene	ND	0.0050	EPA 8260C	6-22-15	6-22-15	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	

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Samples Submitted: June 19, 2015
Laboratory Reference: 1506-208
Project: 14697

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0622S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
Tetrachloroethene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
2-Hexanone	ND	0.0050	EPA 8260C	6-22-15	6-22-15	
Dibromochloromethane	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
Chlorobenzene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
Ethylbenzene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
m,p-Xylene	ND	0.0020	EPA 8260C	6-22-15	6-22-15	
o-Xylene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
Styrene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
Bromoform	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
Isopropylbenzene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
Bromobenzene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
n-Propylbenzene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
2-Chlorotoluene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
4-Chlorotoluene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
tert-Butylbenzene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
sec-Butylbenzene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
p-Isopropyltoluene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
n-Butylbenzene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	6-22-15	6-22-15	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	6-22-15	6-22-15	
Naphthalene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	6-22-15	6-22-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*92*	*76-131*				
Toluene-d8	*97*	*82-129*				
4-Bromofluorobenzene	*119*	*79-126*				

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Date of Report: June 26, 2015
Samples Submitted: June 19, 2015
Laboratory Reference: 1506-208
Project: 14697

VOLATILES by EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0622S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0453**	**0.0431**	0.0500	0.0500	91	86	66-129	5	15	
Benzene	**0.0479**	**0.0470**	0.0500	0.0500	96	94	71-123	2	15	
Trichloroethene	**0.0463**	**0.0464**	0.0500	0.0500	93	93	75-115	0	15	
Toluene	**0.0478**	**0.0477**	0.0500	0.0500	96	95	75-120	0	15	
Chlorobenzene	**0.0460**	**0.0461**	0.0500	0.0500	92	92	75-121	0	15	
Surrogate:										
Dibromofluoromethane					*86*	*84*	*76-131*			
Toluene-d8					*89*	*88*	*82-129*			
4-Bromofluorobenzene					*109*	*110*	*79-126*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 26, 2015
Samples Submitted: June 19, 2015
Laboratory Reference: 1506-208
Project: 14697

% MOISTURE

Date Analyzed: 6-22-15

Client ID	Lab ID	% Moisture
TANK2-SOIL-B1-9.5	06-208-01	17

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z - The sample chromatogram is similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC Foster Wheeler
Project Number: 14697
Project Name: Kelley Moore - SVE/UST
Project Manager: Tasya Gray
Sampled by: Trevor Louviere

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 06-208

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A						% Moisture
1	TANK2-SOIL-B1-9.5	6/18/15	1458	S	5			X	X	X																	X

	Signature	Company	Date	Time
Relinquished		AMEC FW	6/19/15	0625
Received		AMEC FW	6/19/15	0625
Relinquished		AMEC FW	6/19/15	1325
Received	Cameron M Spray	Thunderdog	6/19/15	13:25
Relinquished	Cameron M Spray	Thunderdog	6/19/15	1401
Received	Lab assistant	OSE	6/19/15	1401
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

June 30, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 1506-236

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on June 23, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 30, 2015
Samples Submitted: June 23, 2015
Laboratory Reference: 1506-236
Project: 14697

Case Narrative

Samples were collected on June 22, 2015 and received by the laboratory on June 23, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The chromatograms for samples TANK-2-SOIL-S1-5 and TANK-2-SOIL-S3-5 are similar to mineral spirits with diesel.

Volatiles EPA 8260C Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 30, 2015
Samples Submitted: June 23, 2015
Laboratory Reference: 1506-236
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TANK 2- SOIL -S1-5**					
Laboratory ID:	06-236-01					
Gasoline	**520**	110	NWTPH-Gx	6-24-15	6-29-15	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*86*	*68-123*				
Client ID:	**TANK 2- SOIL -S2-5**					
Laboratory ID:	06-236-02					
Gasoline	**ND**	5.3	NWTPH-Gx	6-24-15	6-26-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*68-123*				
Client ID:	**TANK 2- SOIL -S3-5**					
Laboratory ID:	06-236-03					
Gasoline	**2000**	110	NWTPH-Gx	6-24-15	6-30-15	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*70*	*68-123*				

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Date of Report: June 30, 2015
Samples Submitted: June 23, 2015
Laboratory Reference: 1506-236
Project: 14697

NWTPH-Gx
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0624S1					
Gasoline	**ND**	5.0	NWTPH-Gx	6-24-15	6-24-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*81*	*68-123*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	06-235-01										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*86*	*89*	*68-123*			

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: June 30, 2015
Samples Submitted: June 23, 2015
Laboratory Reference: 1506-236
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TANK 2- SOIL -S1-5**					
Laboratory ID:	06-236-01					
Diesel Range Organics	**560**	26	NWTPH-Dx	6-24-15	6-24-15	
Lube Oil	**280**	52	NWTPH-Dx	6-24-15	6-24-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*80*	*50-150*				
Client ID:	**TANK 2- SOIL -S2-5**					
Laboratory ID:	06-236-02					
Diesel Range Organics	**94**	26	NWTPH-Dx	6-24-15	6-24-15	
Lube Oil	**72**	52	NWTPH-Dx	6-24-15	6-24-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*77*	*50-150*				
Client ID:	**TANK 2- SOIL -S3-5**					
Laboratory ID:	06-236-03					
Diesel Range Organics	**2600**	26	NWTPH-Dx	6-24-15	6-24-15	M
Lube Oil	**850**	52	NWTPH-Dx	6-24-15	6-24-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*90*	*50-150*				

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Date of Report: June 30, 2015
Samples Submitted: June 23, 2015
Laboratory Reference: 1506-236
Project: 14697

NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0624S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	6-24-15	6-24-15	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	6-24-15	6-24-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*93*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	06-236-01										
	ORIG	DUP									
Diesel Range Organics	**535**	**493**	NA	NA		NA		NA	8	NA	
Lube Oil	**271**	**250**	NA	NA		NA		NA	8	NA	
Surrogate:											
o-Terphenyl						*80*	*78*	*50-150*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 30, 2015
Samples Submitted: June 23, 2015
Laboratory Reference: 1506-236
Project: 14697

VOLATILES EPA 8260C
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TANK 2- SOIL -S1-5**					
Laboratory ID:	06-236-01					
Dichlorodifluoromethane	ND	0.048	EPA 8260C	6-24-15	6-25-15	
Chloromethane	ND	0.24	EPA 8260C	6-24-15	6-25-15	
Vinyl Chloride	ND	0.048	EPA 8260C	6-24-15	6-25-15	
Bromomethane	ND	0.048	EPA 8260C	6-24-15	6-25-15	
Chloroethane	ND	0.24	EPA 8260C	6-24-15	6-25-15	
Trichlorofluoromethane	ND	0.048	EPA 8260C	6-24-15	6-25-15	
1,1-Dichloroethene	ND	0.048	EPA 8260C	6-24-15	6-25-15	
Acetone	ND	0.48	EPA 8260C	6-24-15	6-25-15	
Iodomethane	ND	0.24	EPA 8260C	6-24-15	6-25-15	
Carbon Disulfide	ND	0.048	EPA 8260C	6-24-15	6-25-15	
Methylene Chloride	ND	0.24	EPA 8260C	6-24-15	6-25-15	
(trans) 1,2-Dichloroethene	ND	0.048	EPA 8260C	6-24-15	6-25-15	
Methyl t-Butyl Ether	ND	0.048	EPA 8260C	6-24-15	6-25-15	
1,1-Dichloroethane	ND	0.048	EPA 8260C	6-24-15	6-25-15	
Vinyl Acetate	ND	0.24	EPA 8260C	6-24-15	6-25-15	
2,2-Dichloropropane	ND	0.048	EPA 8260C	6-24-15	6-25-15	
(cis) 1,2-Dichloroethene	ND	0.048	EPA 8260C	6-24-15	6-25-15	
2-Butanone	ND	0.24	EPA 8260C	6-24-15	6-25-15	
Bromochloromethane	ND	0.048	EPA 8260C	6-24-15	6-25-15	
Chloroform	ND	0.048	EPA 8260C	6-24-15	6-25-15	
1,1,1-Trichloroethane	ND	0.048	EPA 8260C	6-24-15	6-25-15	
Carbon Tetrachloride	ND	0.048	EPA 8260C	6-24-15	6-25-15	
1,1-Dichloropropene	ND	0.048	EPA 8260C	6-24-15	6-25-15	
Benzene	0.22	0.048	EPA 8260C	6-24-15	6-25-15	
1,2-Dichloroethane	ND	0.048	EPA 8260C	6-24-15	6-25-15	
Trichloroethene	ND	0.048	EPA 8260C	6-24-15	6-25-15	
1,2-Dichloropropane	ND	0.048	EPA 8260C	6-24-15	6-25-15	
Dibromomethane	ND	0.048	EPA 8260C	6-24-15	6-25-15	
Bromodichloromethane	ND	0.048	EPA 8260C	6-24-15	6-25-15	
2-Chloroethyl Vinyl Ether	ND	0.24	EPA 8260C	6-24-15	6-25-15	
(cis) 1,3-Dichloropropene	ND	0.048	EPA 8260C	6-24-15	6-25-15	
Methyl Isobutyl Ketone	ND	0.24	EPA 8260C	6-24-15	6-25-15	
Toluene	0.49	0.24	EPA 8260C	6-24-15	6-25-15	
(trans) 1,3-Dichloropropene	ND	0.048	EPA 8260C	6-24-15	6-25-15	

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Date of Report: June 30, 2015
Samples Submitted: June 23, 2015
Laboratory Reference: 1506-236
Project: 14697

VOLATILES EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TANK 2- SOIL -S1-5**					
Laboratory ID:	06-236-01					
1,1,2-Trichloroethane	ND	0.048	EPA 8260C	6-24-15	6-25-15	
Tetrachloroethene	ND	0.048	EPA 8260C	6-24-15	6-25-15	
1,3-Dichloropropane	ND	0.048	EPA 8260C	6-24-15	6-25-15	
2-Hexanone	ND	0.24	EPA 8260C	6-24-15	6-25-15	
Dibromochloromethane	ND	0.048	EPA 8260C	6-24-15	6-25-15	
1,2-Dibromoethane	ND	0.048	EPA 8260C	6-24-15	6-25-15	
Chlorobenzene	ND	0.048	EPA 8260C	6-24-15	6-25-15	
1,1,1,2-Tetrachloroethane	ND	0.048	EPA 8260C	6-24-15	6-25-15	
Ethylbenzene	1.2	0.048	EPA 8260C	6-24-15	6-25-15	
m,p-Xylene	6.6	0.097	EPA 8260C	6-24-15	6-25-15	
o-Xylene	0.44	0.048	EPA 8260C	6-24-15	6-25-15	
Styrene	ND	0.048	EPA 8260C	6-24-15	6-25-15	
Bromoform	ND	0.048	EPA 8260C	6-24-15	6-25-15	
Isopropylbenzene	ND	0.048	EPA 8260C	6-24-15	6-25-15	
Bromobenzene	ND	0.048	EPA 8260C	6-24-15	6-25-15	
1,1,2,2-Tetrachloroethane	ND	0.048	EPA 8260C	6-24-15	6-25-15	
1,2,3-Trichloropropane	ND	0.048	EPA 8260C	6-24-15	6-25-15	
n-Propylbenzene	0.060	0.048	EPA 8260C	6-24-15	6-25-15	
2-Chlorotoluene	ND	0.048	EPA 8260C	6-24-15	6-25-15	
4-Chlorotoluene	ND	0.048	EPA 8260C	6-24-15	6-25-15	
1,3,5-Trimethylbenzene	0.49	0.048	EPA 8260C	6-24-15	6-25-15	
tert-Butylbenzene	ND	0.048	EPA 8260C	6-24-15	6-25-15	
1,2,4-Trimethylbenzene	1.0	0.048	EPA 8260C	6-24-15	6-25-15	
sec-Butylbenzene	ND	0.048	EPA 8260C	6-24-15	6-25-15	
1,3-Dichlorobenzene	ND	0.048	EPA 8260C	6-24-15	6-25-15	
p-Isopropyltoluene	0.15	0.048	EPA 8260C	6-24-15	6-25-15	
1,4-Dichlorobenzene	ND	0.048	EPA 8260C	6-24-15	6-25-15	
1,2-Dichlorobenzene	ND	0.048	EPA 8260C	6-24-15	6-25-15	
n-Butylbenzene	ND	0.048	EPA 8260C	6-24-15	6-25-15	
1,2-Dibromo-3-chloropropane	ND	0.24	EPA 8260C	6-24-15	6-25-15	
1,2,4-Trichlorobenzene	ND	0.048	EPA 8260C	6-24-15	6-25-15	
Hexachlorobutadiene	ND	0.24	EPA 8260C	6-24-15	6-25-15	
Naphthalene	0.85	0.048	EPA 8260C	6-24-15	6-25-15	
1,2,3-Trichlorobenzene	ND	0.048	EPA 8260C	6-24-15	6-25-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*82*	*76-131*				
Toluene-d8	*88*	*82-129*				
4-Bromofluorobenzene	*110*	*79-126*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 30, 2015
Samples Submitted: June 23, 2015
Laboratory Reference: 1506-236
Project: 14697

VOLATILES EPA 8260C
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TANK 2- SOIL -S2-5**					
Laboratory ID:	06-236-02					
Dichlorodifluoromethane	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
Chloromethane	ND	0.0058	EPA 8260C	6-25-15	6-25-15	
Vinyl Chloride	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
Bromomethane	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
Chloroethane	ND	0.0058	EPA 8260C	6-25-15	6-25-15	
Trichlorofluoromethane	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
1,1-Dichloroethene	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
Acetone	0.017	0.012	EPA 8260C	6-25-15	6-25-15	
Iodomethane	ND	0.0058	EPA 8260C	6-25-15	6-25-15	
Carbon Disulfide	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
Methylene Chloride	ND	0.0058	EPA 8260C	6-25-15	6-25-15	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
1,1-Dichloroethane	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
Vinyl Acetate	ND	0.0058	EPA 8260C	6-25-15	6-25-15	
2,2-Dichloropropane	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
2-Butanone	ND	0.0058	EPA 8260C	6-25-15	6-25-15	
Bromochloromethane	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
Chloroform	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
Carbon Tetrachloride	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
1,1-Dichloropropene	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
Benzene	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
1,2-Dichloroethane	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
Trichloroethene	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
1,2-Dichloropropane	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
Dibromomethane	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
Bromodichloromethane	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
2-Chloroethyl Vinyl Ether	ND	0.0058	EPA 8260C	6-25-15	6-25-15	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
Methyl Isobutyl Ketone	ND	0.0058	EPA 8260C	6-25-15	6-25-15	
Toluene	ND	0.0058	EPA 8260C	6-25-15	6-25-15	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260C	6-25-15	6-25-15	

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 30, 2015
Samples Submitted: June 23, 2015
Laboratory Reference: 1506-236
Project: 14697

VOLATILES EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TANK 2- SOIL -S2-5**					
Laboratory ID:	06-236-02					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
Tetrachloroethene	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
1,3-Dichloropropane	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
2-Hexanone	ND	0.0058	EPA 8260C	6-25-15	6-25-15	
Dibromochloromethane	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
1,2-Dibromoethane	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
Chlorobenzene	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
Ethylbenzene	0.053	0.048	EPA 8260C	6-24-15	6-24-15	
m,p-Xylene	0.26	0.096	EPA 8260C	6-24-15	6-24-15	
o-Xylene	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
Styrene	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
Bromoform	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
Isopropylbenzene	ND	0.0012	EPA 8260C	6-25-15	6-25-15	
Bromobenzene	ND	0.048	EPA 8260C	6-24-15	6-24-15	
1,1,2,2-Tetrachloroethane	ND	0.048	EPA 8260C	6-24-15	6-24-15	
1,2,3-Trichloropropane	ND	0.048	EPA 8260C	6-24-15	6-24-15	
n-Propylbenzene	ND	0.048	EPA 8260C	6-24-15	6-24-15	
2-Chlorotoluene	ND	0.048	EPA 8260C	6-24-15	6-24-15	
4-Chlorotoluene	ND	0.048	EPA 8260C	6-24-15	6-24-15	
1,3,5-Trimethylbenzene	ND	0.048	EPA 8260C	6-24-15	6-24-15	
tert-Butylbenzene	ND	0.048	EPA 8260C	6-24-15	6-24-15	
1,2,4-Trimethylbenzene	ND	0.048	EPA 8260C	6-24-15	6-24-15	
sec-Butylbenzene	ND	0.048	EPA 8260C	6-24-15	6-24-15	
1,3-Dichlorobenzene	ND	0.048	EPA 8260C	6-24-15	6-24-15	
p-Isopropyltoluene	ND	0.048	EPA 8260C	6-24-15	6-24-15	
1,4-Dichlorobenzene	ND	0.048	EPA 8260C	6-24-15	6-24-15	
1,2-Dichlorobenzene	ND	0.048	EPA 8260C	6-24-15	6-24-15	
n-Butylbenzene	ND	0.048	EPA 8260C	6-24-15	6-24-15	
1,2-Dibromo-3-chloropropane	ND	0.24	EPA 8260C	6-24-15	6-24-15	
1,2,4-Trichlorobenzene	ND	0.048	EPA 8260C	6-24-15	6-24-15	
Hexachlorobutadiene	ND	0.24	EPA 8260C	6-24-15	6-24-15	
Naphthalene	ND	0.048	EPA 8260C	6-24-15	6-24-15	
1,2,3-Trichlorobenzene	ND	0.048	EPA 8260C	6-24-15	6-24-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*90*	*76-131*				
Toluene-d8	*98*	*82-129*				
4-Bromofluorobenzene	*111*	*79-126*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: June 30, 2015
Samples Submitted: June 23, 2015
Laboratory Reference: 1506-236
Project: 14697

VOLATILES EPA 8260C
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TANK 2- SOIL -S3-5**					
Laboratory ID:	06-236-03					
Dichlorodifluoromethane	ND	0.072	EPA 8260C	6-24-15	6-24-15	
Chloromethane	ND	0.26	EPA 8260C	6-24-15	6-24-15	
Vinyl Chloride	ND	0.052	EPA 8260C	6-24-15	6-24-15	
Bromomethane	ND	0.052	EPA 8260C	6-24-15	6-24-15	
Chloroethane	ND	0.26	EPA 8260C	6-24-15	6-24-15	
Trichlorofluoromethane	ND	0.052	EPA 8260C	6-24-15	6-24-15	
1,1-Dichloroethene	ND	0.052	EPA 8260C	6-24-15	6-24-15	
Acetone	ND	0.52	EPA 8260C	6-24-15	6-24-15	
Iodomethane	ND	0.26	EPA 8260C	6-24-15	6-24-15	
Carbon Disulfide	ND	0.052	EPA 8260C	6-24-15	6-24-15	
Methylene Chloride	ND	0.26	EPA 8260C	6-24-15	6-24-15	
(trans) 1,2-Dichloroethene	ND	0.052	EPA 8260C	6-24-15	6-24-15	
Methyl t-Butyl Ether	ND	0.052	EPA 8260C	6-24-15	6-24-15	
1,1-Dichloroethane	ND	0.052	EPA 8260C	6-24-15	6-24-15	
Vinyl Acetate	ND	0.26	EPA 8260C	6-24-15	6-24-15	
2,2-Dichloropropane	ND	0.052	EPA 8260C	6-24-15	6-24-15	
(cis) 1,2-Dichloroethene	ND	0.052	EPA 8260C	6-24-15	6-24-15	
2-Butanone	ND	0.26	EPA 8260C	6-24-15	6-24-15	
Bromochloromethane	ND	0.052	EPA 8260C	6-24-15	6-24-15	
Chloroform	ND	0.052	EPA 8260C	6-24-15	6-24-15	
1,1,1-Trichloroethane	ND	0.052	EPA 8260C	6-24-15	6-24-15	
Carbon Tetrachloride	ND	0.052	EPA 8260C	6-24-15	6-24-15	
1,1-Dichloropropene	ND	0.052	EPA 8260C	6-24-15	6-24-15	
Benzene	ND	0.052	EPA 8260C	6-24-15	6-24-15	
1,2-Dichloroethane	ND	0.052	EPA 8260C	6-24-15	6-24-15	
Trichloroethene	ND	0.052	EPA 8260C	6-24-15	6-24-15	
1,2-Dichloropropane	ND	0.052	EPA 8260C	6-24-15	6-24-15	
Dibromomethane	ND	0.052	EPA 8260C	6-24-15	6-24-15	
Bromodichloromethane	ND	0.052	EPA 8260C	6-24-15	6-24-15	
2-Chloroethyl Vinyl Ether	ND	0.26	EPA 8260C	6-24-15	6-24-15	
(cis) 1,3-Dichloropropene	ND	0.052	EPA 8260C	6-24-15	6-24-15	
Methyl Isobutyl Ketone	ND	0.26	EPA 8260C	6-24-15	6-24-15	
Toluene	ND	0.26	EPA 8260C	6-24-15	6-24-15	
(trans) 1,3-Dichloropropene	ND	0.052	EPA 8260C	6-24-15	6-24-15	

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Date of Report: June 30, 2015
Samples Submitted: June 23, 2015
Laboratory Reference: 1506-236
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TANK 2- SOIL -S3-5**					
Laboratory ID:	06-236-03					
1,1,2-Trichloroethane	ND	0.052	EPA 8260C	6-24-15	6-24-15	
Tetrachloroethene	ND	0.052	EPA 8260C	6-24-15	6-24-15	
1,3-Dichloropropane	ND	0.052	EPA 8260C	6-24-15	6-24-15	
2-Hexanone	ND	0.26	EPA 8260C	6-24-15	6-24-15	
Dibromochloromethane	ND	0.052	EPA 8260C	6-24-15	6-24-15	
1,2-Dibromoethane	ND	0.052	EPA 8260C	6-24-15	6-24-15	
Chlorobenzene	ND	0.052	EPA 8260C	6-24-15	6-24-15	
1,1,1,2-Tetrachloroethane	ND	0.052	EPA 8260C	6-24-15	6-24-15	
Ethylbenzene	4.3	0.052	EPA 8260C	6-24-15	6-24-15	
m,p-Xylene	140	1.0	EPA 8260C	6-24-15	6-25-15	
o-Xylene	30	0.52	EPA 8260C	6-24-15	6-25-15	
Styrene	ND	0.052	EPA 8260C	6-24-15	6-24-15	
Bromoform	ND	0.052	EPA 8260C	6-24-15	6-24-15	
Isopropylbenzene	0.33	0.052	EPA 8260C	6-24-15	6-24-15	
Bromobenzene	ND	0.052	EPA 8260C	6-24-15	6-24-15	
1,1,2,2-Tetrachloroethane	ND	0.052	EPA 8260C	6-24-15	6-24-15	
1,2,3-Trichloropropane	ND	0.052	EPA 8260C	6-24-15	6-24-15	
n-Propylbenzene	0.24	0.052	EPA 8260C	6-24-15	6-24-15	
2-Chlorotoluene	ND	0.052	EPA 8260C	6-24-15	6-24-15	
4-Chlorotoluene	ND	0.052	EPA 8260C	6-24-15	6-24-15	
1,3,5-Trimethylbenzene	3.0	0.052	EPA 8260C	6-24-15	6-24-15	
tert-Butylbenzene	0.080	0.052	EPA 8260C	6-24-15	6-24-15	
1,2,4-Trimethylbenzene	14	0.52	EPA 8260C	6-24-15	6-25-15	
sec-Butylbenzene	0.53	0.052	EPA 8260C	6-24-15	6-24-15	
1,3-Dichlorobenzene	ND	0.052	EPA 8260C	6-24-15	6-24-15	
p-Isopropyltoluene	1.7	0.052	EPA 8260C	6-24-15	6-24-15	
1,4-Dichlorobenzene	ND	0.052	EPA 8260C	6-24-15	6-24-15	
1,2-Dichlorobenzene	ND	0.052	EPA 8260C	6-24-15	6-24-15	
n-Butylbenzene	1.4	0.052	EPA 8260C	6-24-15	6-24-15	
1,2-Dibromo-3-chloropropane	ND	0.26	EPA 8260C	6-24-15	6-24-15	
1,2,4-Trichlorobenzene	ND	0.052	EPA 8260C	6-24-15	6-24-15	
Hexachlorobutadiene	ND	0.26	EPA 8260C	6-24-15	6-24-15	
Naphthalene	9.1	0.052	EPA 8260C	6-24-15	6-24-15	
1,2,3-Trichlorobenzene	ND	0.052	EPA 8260C	6-24-15	6-24-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*85*	*76-131*				
Toluene-d8	*91*	*82-129*				
4-Bromofluorobenzene	*115*	*79-126*				

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Date of Report: June 30, 2015
Samples Submitted: June 23, 2015
Laboratory Reference: 1506-236
Project: 14697

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0624S1					
Dichlorodifluoromethane	ND	0.0014	EPA 8260C	6-24-15	6-24-15	
Chloromethane	ND	0.0050	EPA 8260C	6-24-15	6-24-15	
Vinyl Chloride	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
Bromomethane	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
Chloroethane	ND	0.0050	EPA 8260C	6-24-15	6-24-15	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
Acetone	ND	0.010	EPA 8260C	6-24-15	6-24-15	
Iodomethane	ND	0.0050	EPA 8260C	6-24-15	6-24-15	
Carbon Disulfide	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
Methylene Chloride	ND	0.0050	EPA 8260C	6-24-15	6-24-15	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
Vinyl Acetate	ND	0.0050	EPA 8260C	6-24-15	6-24-15	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
2-Butanone	ND	0.0050	EPA 8260C	6-24-15	6-24-15	
Bromochloromethane	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
Chloroform	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
Benzene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
Trichloroethene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
Dibromomethane	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
Bromodichloromethane	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	6-24-15	6-24-15	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260C	6-24-15	6-24-15	
Toluene	ND	0.0050	EPA 8260C	6-24-15	6-24-15	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	

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Project: 14697

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0624S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
Tetrachloroethene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
2-Hexanone	ND	0.0050	EPA 8260C	6-24-15	6-24-15	
Dibromochloromethane	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
Chlorobenzene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
Ethylbenzene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
m,p-Xylene	ND	0.0020	EPA 8260C	6-24-15	6-24-15	
o-Xylene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
Styrene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
Bromoform	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
Isopropylbenzene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
Bromobenzene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
n-Propylbenzene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
2-Chlorotoluene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
4-Chlorotoluene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
tert-Butylbenzene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
sec-Butylbenzene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
p-Isopropyltoluene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
n-Butylbenzene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	6-24-15	6-24-15	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	6-24-15	6-24-15	
Naphthalene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	6-24-15	6-24-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*89*	*76-131*				
Toluene-d8	*92*	*82-129*				
4-Bromofluorobenzene	*117*	*79-126*				

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Date of Report: June 30, 2015
Samples Submitted: June 23, 2015
Laboratory Reference: 1506-236
Project: 14697

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0625S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
Chloromethane	ND	0.0050	EPA 8260C	6-25-15	6-25-15	
Vinyl Chloride	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
Bromomethane	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
Chloroethane	ND	0.0050	EPA 8260C	6-25-15	6-25-15	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
Acetone	ND	0.010	EPA 8260C	6-25-15	6-25-15	
Iodomethane	ND	0.0050	EPA 8260C	6-25-15	6-25-15	
Carbon Disulfide	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
Methylene Chloride	ND	0.0050	EPA 8260C	6-25-15	6-25-15	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
Vinyl Acetate	ND	0.0050	EPA 8260C	6-25-15	6-25-15	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
2-Butanone	ND	0.0050	EPA 8260C	6-25-15	6-25-15	
Bromochloromethane	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
Chloroform	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
Benzene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
Trichloroethene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
Dibromomethane	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
Bromodichloromethane	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	6-25-15	6-25-15	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260C	6-25-15	6-25-15	
Toluene	ND	0.0050	EPA 8260C	6-25-15	6-25-15	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	

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VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0625S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
Tetrachloroethene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
2-Hexanone	ND	0.0050	EPA 8260C	6-25-15	6-25-15	
Dibromochloromethane	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
Chlorobenzene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
Ethylbenzene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
m,p-Xylene	ND	0.0020	EPA 8260C	6-25-15	6-25-15	
o-Xylene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
Styrene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
Bromoform	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
Isopropylbenzene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
Bromobenzene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
n-Propylbenzene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
2-Chlorotoluene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
4-Chlorotoluene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
tert-Butylbenzene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
sec-Butylbenzene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
p-Isopropyltoluene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
n-Butylbenzene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	6-25-15	6-25-15	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	6-25-15	6-25-15	
Naphthalene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	6-25-15	6-25-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*91*	*76-131*				
Toluene-d8	*96*	*82-129*				
4-Bromofluorobenzene	*121*	*79-126*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 30, 2015
Samples Submitted: June 23, 2015
Laboratory Reference: 1506-236
Project: 14697

VOLATILES by EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0624S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0443**	**0.0423**	0.0500	0.0500	89	85	66-129	5	15	
Benzene	**0.0473**	**0.0470**	0.0500	0.0500	95	94	71-123	1	15	
Trichloroethene	**0.0462**	**0.0469**	0.0500	0.0500	92	94	75-115	2	15	
Toluene	**0.0478**	**0.0478**	0.0500	0.0500	96	96	75-120	0	15	
Chlorobenzene	**0.0452**	**0.0456**	0.0500	0.0500	90	91	75-121	1	15	
Surrogate:										
Dibromofluoromethane					*86*	*83*	*76-131*			
Toluene-d8					*89*	*86*	*82-129*			
4-Bromofluorobenzene					*109*	*107*	*79-126*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 30, 2015
Samples Submitted: June 23, 2015
Laboratory Reference: 1506-236
Project: 14697

VOLATILES by EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0625S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0435**	**0.0425**	0.0500	0.0500	87	85	66-129	2	15	
Benzene	**0.0479**	**0.0483**	0.0500	0.0500	96	97	71-123	1	15	
Trichloroethene	**0.0474**	**0.0463**	0.0500	0.0500	95	93	75-115	2	15	
Toluene	**0.0488**	**0.0459**	0.0500	0.0500	98	92	75-120	6	15	
Chlorobenzene	**0.0479**	**0.0456**	0.0500	0.0500	96	91	75-121	5	15	
Surrogate:										
Dibromofluoromethane					*85*	*83*	*76-131*			
Toluene-d8					*88*	*85*	*82-129*			
4-Bromofluorobenzene					*113*	*108*	*79-126*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 30, 2015
Samples Submitted: June 23, 2015
Laboratory Reference: 1506-236
Project: 14697

% MOISTURE

Date Analyzed: 6-24-15

Client ID	Lab ID	% Moisture
TANK 2- SOIL -S1-5	06-236-01	4
TANK 2- SOIL -S2-5	06-236-02	4
TANK 2- SOIL -S3-5	06-236-03	4

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z - The sample chromatogram is similar to mineral spirits with diesel.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC Foster Wheeler
Project Number: 14697
Project Name: Kelley Moore
Project Manager: Tasya Gray
Sampled by: T. Louviere

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 06-236

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
1	TANK2-SOIL-S1-5	6/22/15	1137	S	5			X	X	X												X
2	TANK2-SOIL-S2-5	↓	1139	S	5			X	X	X												X
3	TANK2-SOIL-S3-5	↓	1141	S	5			X	X	X												X

	Signature	Company	Date	Time
Relinquished		AMEC FW	6/22/15	1213
Received		AMEC FW	6/22/15	1213
Relinquished		AMEC FW	6/23/15	1348
Received		Thunderbird	6-23-15	1345
Relinquished		Thunderbird	6-23-15	2:15
Received		OnSite	6/23/15	1475
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

TestAmerica Job ID: 580-50925-1
Client Project/Site: Kelly Moore

For:
Ingenium Group, LLC
8206 S. 192nd Street
Kent, Washington 98032

Attn: Corey Johnson

Authorized for release by:
6/25/2015 3:20:34 PM

Stephanie Sanders, Project Manager I
(303)736-0196
stephanie.sanders@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 580-50925-1

Laboratory: TestAmerica Seattle

Narrative

Job Narrative
580-50925-1

Comments
No additional comments.

Receipt
The sample was received on 6/18/2015 3:00 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 12.1º C.

Receipt Exceptions

The following sample was received at the laboratory outside the required temperature criteria: # KMUNKNOWN1 (580-50925-1). The sample was 12.1°C on receipt.

The container for sample # KMUNKNOWN1 (580-50925-1) lacks a label. Only the sample ID is written on the cap. The sample is logged in per chain of custody.

GC/MS VOA
Method(s) NWTPH-Gx: The following sample was diluted to bring the concentration of target analytes within the calibration range: # KMUNKNOWN1 (580-50925-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The continuing calibration verification (CCV) associated with batch 77763 recovered above the upper control limit for Bromomethane. The sample associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: # KMUNKNOWN1 (580-50925-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client: Ingenium Group, LLC
Project/Site: Kelly Moore

TestAmerica Job ID: 580-50925-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: Ingenium Group, LLC
Project/Site: Kelly Moore

TestAmerica Job ID: 580-50925-1

Client Sample ID: # KMUNKNOWN1
Date Collected: 06/17/15 14:00
Date Received: 06/18/15 15:00

Lab Sample ID: 580-50925-1
Matrix: Waste

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
Bromobenzene	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
Bromochloromethane	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
Bromodichloromethane	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
Bromoform	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
Bromomethane	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
n-Butylbenzene	**520**		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
sec-Butylbenzene	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
tert-Butylbenzene	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
Carbon tetrachloride	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
Chlorobenzene	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
Chloroethane	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
Chloroform	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
Chloromethane	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
2-Chlorotoluene	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
4-Chlorotoluene	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
1,2-Dibromo-3-Chloropropane	ND		33		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
1,2-Dibromoethane (EDB)	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
Dibromomethane	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
1,2-Dichlorobenzene	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
1,3-Dichlorobenzene	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
1,4-Dichlorobenzene	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
Dichlorodifluoromethane	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
1,1-Dichloroethane	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
1,2-Dichloroethane	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
cis-1,2-Dichloroethene	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
trans-1,2-Dichloroethene	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
1,1-Dichloroethene	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
1,2-Dichloropropane	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
1,3-Dichloropropane	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
2,2-Dichloropropane	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
cis-1,3-Dichloropropene	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
trans-1,3-Dichloropropene	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
1,1-Dichloropropene	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
Ethylbenzene	**2700**		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
Hexachlorobutadiene	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
Isopropylbenzene	**390**		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
p-Isopropyltoluene	**300**		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
Methylene Chloride	ND		33		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
Naphthalene	**4800**		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
N-Propylbenzene	**520**		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
Styrene	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
1,1,1,2-Tetrachloroethane	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
1,1,2,2-Tetrachloroethane	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
Tetrachloroethene	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
Toluene	**150**		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
1,2,3-Trichlorobenzene	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
1,2,4-Trichlorobenzene	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
1,1,1-Trichloroethane	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1

Client: Ingenium Group, LLC
Project/Site: Kelly Moore

TestAmerica Job ID: 580-50925-1

Client Sample ID: # KMUNKNOWN1
Date Collected: 06/17/15 14:00
Date Received: 06/18/15 15:00

Lab Sample ID: 580-50925-1
Matrix: Waste

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
Trichloroethene	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
Trichlorofluoromethane	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
1,2,3-Trichloropropane	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
1,2,4-Trimethylbenzene	**1200**		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
1,3,5-Trimethylbenzene	**200**		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
Vinyl chloride	ND		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
m-Xylene & p-Xylene	**5300**		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1
o-Xylene	**990**		16		ug/Kg		06/24/15 15:30	06/24/15 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*87 - 119*	*06/24/15 15:30*	*06/24/15 16:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*84 - 119*	*06/24/15 15:30*	*06/24/15 16:42*	*1*
Toluene-d8 (Surr)	*100*		*85 - 122*	*06/24/15 15:30*	*06/24/15 16:42*	*1*
Dibromofluoromethane (Surr)	*97*		*67 - 123*	*06/24/15 15:30*	*06/24/15 16:42*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**2300**		380		mg/Kg		06/22/15 15:08	06/22/15 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*50 - 150*	*06/22/15 15:08*	*06/22/15 16:44*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		2200		mg/Kg		06/22/15 13:42	06/22/15 14:55	1
Motor Oil (>C24-C36)	ND		4300		mg/Kg		06/22/15 13:42	06/22/15 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*94*		*50 - 150*	*06/22/15 13:42*	*06/22/15 14:55*	*1*

Client: Ingenium Group, LLC
Project/Site: Kelly Moore

TestAmerica Job ID: 580-50925-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 320-77763/9
Matrix: Waste
Analysis Batch: 77763

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.050		ug/Kg			06/24/15 12:32	1
Bromobenzene	ND		0.050		ug/Kg			06/24/15 12:32	1
Bromochloromethane	ND		0.050		ug/Kg			06/24/15 12:32	1
Bromodichloromethane	ND		0.050		ug/Kg			06/24/15 12:32	1
Bromoform	ND		0.050		ug/Kg			06/24/15 12:32	1
Bromomethane	ND		0.050		ug/Kg			06/24/15 12:32	1
n-Butylbenzene	ND		0.050		ug/Kg			06/24/15 12:32	1
sec-Butylbenzene	ND		0.050		ug/Kg			06/24/15 12:32	1
tert-Butylbenzene	ND		0.050		ug/Kg			06/24/15 12:32	1
Carbon tetrachloride	ND		0.050		ug/Kg			06/24/15 12:32	1
Chlorobenzene	ND		0.050		ug/Kg			06/24/15 12:32	1
Chloroethane	ND		0.050		ug/Kg			06/24/15 12:32	1
Chloroform	ND		0.050		ug/Kg			06/24/15 12:32	1
Chloromethane	ND		0.050		ug/Kg			06/24/15 12:32	1
2-Chlorotoluene	ND		0.050		ug/Kg			06/24/15 12:32	1
4-Chlorotoluene	ND		0.050		ug/Kg			06/24/15 12:32	1
1,2-Dibromo-3-Chloropropane	ND		0.10		ug/Kg			06/24/15 12:32	1
1,2-Dibromoethane (EDB)	ND		0.050		ug/Kg			06/24/15 12:32	1
Dibromomethane	ND		0.050		ug/Kg			06/24/15 12:32	1
1,2-Dichlorobenzene	ND		0.050		ug/Kg			06/24/15 12:32	1
1,3-Dichlorobenzene	ND		0.050		ug/Kg			06/24/15 12:32	1
1,4-Dichlorobenzene	ND		0.050		ug/Kg			06/24/15 12:32	1
Dichlorodifluoromethane	ND		0.050		ug/Kg			06/24/15 12:32	1
1,1-Dichloroethane	ND		0.050		ug/Kg			06/24/15 12:32	1
1,2-Dichloroethane	ND		0.050		ug/Kg			06/24/15 12:32	1
cis-1,2-Dichloroethene	ND		0.050		ug/Kg			06/24/15 12:32	1
trans-1,2-Dichloroethene	ND		0.050		ug/Kg			06/24/15 12:32	1
1,1-Dichloroethene	ND		0.050		ug/Kg			06/24/15 12:32	1
1,2-Dichloropropane	ND		0.050		ug/Kg			06/24/15 12:32	1
1,3-Dichloropropane	ND		0.050		ug/Kg			06/24/15 12:32	1
2,2-Dichloropropane	ND		0.050		ug/Kg			06/24/15 12:32	1
cis-1,3-Dichloropropene	ND		0.050		ug/Kg			06/24/15 12:32	1
trans-1,3-Dichloropropene	ND		0.050		ug/Kg			06/24/15 12:32	1
1,1-Dichloropropene	ND		0.050		ug/Kg			06/24/15 12:32	1
Ethylbenzene	ND		0.050		ug/Kg			06/24/15 12:32	1
Hexachlorobutadiene	ND		0.050		ug/Kg			06/24/15 12:32	1
Isopropylbenzene	ND		0.050		ug/Kg			06/24/15 12:32	1
p-Isopropyltoluene	ND		0.050		ug/Kg			06/24/15 12:32	1
Methylene Chloride	ND		0.10		ug/Kg			06/24/15 12:32	1
Naphthalene	ND		0.050		ug/Kg			06/24/15 12:32	1
N-Propylbenzene	ND		0.050		ug/Kg			06/24/15 12:32	1
Styrene	ND		0.050		ug/Kg			06/24/15 12:32	1
1,1,1,2-Tetrachloroethane	ND		0.050		ug/Kg			06/24/15 12:32	1
1,1,2,2-Tetrachloroethane	ND		0.050		ug/Kg			06/24/15 12:32	1
Tetrachloroethene	ND		0.050		ug/Kg			06/24/15 12:32	1
Toluene	ND		0.050		ug/Kg			06/24/15 12:32	1
1,2,3-Trichlorobenzene	ND		0.050		ug/Kg			06/24/15 12:32	1
1,2,4-Trichlorobenzene	ND		0.050		ug/Kg			06/24/15 12:32	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 320-77763/9
Matrix: Waste
Analysis Batch: 77763

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.050		ug/Kg			06/24/15 12:32	1
1,1,2-Trichloroethane	ND		0.050		ug/Kg			06/24/15 12:32	1
Trichloroethene	ND		0.050		ug/Kg			06/24/15 12:32	1
Trichlorofluoromethane	ND		0.050		ug/Kg			06/24/15 12:32	1
1,2,3-Trichloropropane	ND		0.050		ug/Kg			06/24/15 12:32	1
1,2,4-Trimethylbenzene	ND		0.050		ug/Kg			06/24/15 12:32	1
1,3,5-Trimethylbenzene	ND		0.050		ug/Kg			06/24/15 12:32	1
Vinyl chloride	ND		0.050		ug/Kg			06/24/15 12:32	1
m-Xylene & p-Xylene	ND		0.050		ug/Kg			06/24/15 12:32	1
o-Xylene	ND		0.050		ug/Kg			06/24/15 12:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*87 - 119*		*06/24/15 12:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*84 - 119*		*06/24/15 12:32*	*1*
Toluene-d8 (Surr)	*98*		*85 - 122*		*06/24/15 12:32*	*1*
Dibromofluoromethane (Surr)	*101*		*67 - 123*		*06/24/15 12:32*	*1*

Lab Sample ID: LCS 320-77763/5
Matrix: Waste
Analysis Batch: 77763

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	20.3		ug/Kg		101	50 - 150
Bromobenzene	20.0	22.0		ug/Kg		110	50 - 150
Bromochloromethane	20.0	23.3		ug/Kg		116	50 - 150
Bromodichloromethane	20.0	20.8		ug/Kg		104	50 - 150
Bromoform	20.0	21.4		ug/Kg		107	50 - 150
Bromomethane	20.0	26.6		ug/Kg		133	50 - 150
n-Butylbenzene	20.0	22.1		ug/Kg		111	50 - 150
sec-Butylbenzene	20.0	23.1		ug/Kg		116	50 - 150
tert-Butylbenzene	20.0	23.5		ug/Kg		118	50 - 150
Carbon tetrachloride	20.0	22.1		ug/Kg		110	50 - 150
Chlorobenzene	20.0	21.7		ug/Kg		109	50 - 150
Chloroethane	20.0	20.8		ug/Kg		104	50 - 150
Chloroform	20.0	21.4		ug/Kg		107	50 - 150
Chloromethane	20.0	17.4		ug/Kg		87	50 - 150
2-Chlorotoluene	20.0	21.1		ug/Kg		105	50 - 150
4-Chlorotoluene	20.0	21.7		ug/Kg		108	50 - 150
1,2-Dibromo-3-Chloropropane	20.0	18.9		ug/Kg		94	50 - 150
1,2-Dibromoethane (EDB)	20.0	21.8		ug/Kg		109	50 - 150
Dibromomethane	20.0	21.2		ug/Kg		106	50 - 150
1,2-Dichlorobenzene	20.0	21.5		ug/Kg		108	50 - 150
1,3-Dichlorobenzene	20.0	21.6		ug/Kg		108	50 - 150
1,4-Dichlorobenzene	20.0	22.3		ug/Kg		111	50 - 150
Dichlorodifluoromethane	20.0	23.9		ug/Kg		120	50 - 150
1,1-Dichloroethane	20.0	18.6		ug/Kg		93	50 - 150
1,2-Dichloroethane	20.0	20.9		ug/Kg		105	50 - 150
cis-1,2-Dichloroethene	20.0	22.1		ug/Kg		111	50 - 150

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-77763/5
Matrix: Waste
Analysis Batch: 77763

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,2-Dichloroethene	20.0	21.2		ug/Kg		106	50 - 150
1,1-Dichloroethene	20.0	20.8		ug/Kg		104	50 - 150
1,2-Dichloropropane	20.0	19.4		ug/Kg		97	50 - 150
1,3-Dichloropropane	20.0	19.8		ug/Kg		99	50 - 150
2,2-Dichloropropane	20.0	23.1		ug/Kg		115	50 - 150
cis-1,3-Dichloropropene	20.0	21.3		ug/Kg		107	50 - 150
trans-1,3-Dichloropropene	20.0	22.1		ug/Kg		111	50 - 150
1,1-Dichloropropene	20.0	21.2		ug/Kg		106	50 - 150
Ethylbenzene	20.0	21.7		ug/Kg		108	50 - 150
Hexachlorobutadiene	20.0	17.8		ug/Kg		89	50 - 150
Isopropylbenzene	20.0	23.0		ug/Kg		115	50 - 150
p-Isopropyltoluene	20.0	21.9		ug/Kg		109	50 - 150
Methylene Chloride	20.0	19.8		ug/Kg		99	50 - 150
Naphthalene	20.0	25.6		ug/Kg		128	50 - 150
N-Propylbenzene	20.0	21.9		ug/Kg		109	50 - 150
Styrene	20.0	21.6		ug/Kg		108	50 - 150
1,1,1,2-Tetrachloroethane	20.0	21.0		ug/Kg		105	50 - 150
1,1,2,2-Tetrachloroethane	20.0	19.2		ug/Kg		96	50 - 150
Tetrachloroethene	20.0	22.3		ug/Kg		112	50 - 150
Toluene	20.0	23.4		ug/Kg		117	50 - 150
1,2,3-Trichlorobenzene	20.0	22.5		ug/Kg		112	50 - 150
1,2,4-Trichlorobenzene	20.0	22.4		ug/Kg		112	50 - 150
1,1,1-Trichloroethane	20.0	22.4		ug/Kg		112	50 - 150
1,1,2-Trichloroethane	20.0	22.1		ug/Kg		111	50 - 150
Trichloroethene	20.0	21.5		ug/Kg		107	50 - 150
Trichlorofluoromethane	20.0	26.2		ug/Kg		131	50 - 150
1,2,3-Trichloropropane	20.0	20.2		ug/Kg		101	50 - 150
1,2,4-Trimethylbenzene	20.0	21.5		ug/Kg		107	50 - 150
1,3,5-Trimethylbenzene	20.0	23.2		ug/Kg		116	50 - 150
Vinyl chloride	20.0	20.2		ug/Kg		101	50 - 150
m-Xylene & p-Xylene	20.0	22.0		ug/Kg		110	50 - 150
o-Xylene	20.0	21.7		ug/Kg		109	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*87 - 119*
1,2-Dichloroethane-d4 (Surr)	*94*		*84 - 119*
Toluene-d8 (Surr)	*104*		*85 - 122*
Dibromofluoromethane (Surr)	*100*		*67 - 123*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-192869/1-A
Matrix: Waste
Analysis Batch: 192832

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192869

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		4.0		mg/Kg		06/22/15 15:08	06/22/15 13:46	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: MB 580-192869/1-A
Matrix: Waste
Analysis Batch: 192832

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192869

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		50 - 150	06/22/15 15:08	06/22/15 13:46	1

Lab Sample ID: LCS 580-192869/2-A
Matrix: Waste
Analysis Batch: 192832

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 192869

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline			40.0	32.7		mg/Kg		82	68 - 120		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		50 - 150

Lab Sample ID: LCSD 580-192869/3-A
Matrix: Waste
Analysis Batch: 192832

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 192869

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline			40.0	34.0		mg/Kg		85	68 - 120	4	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		50 - 150

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-192860/1-A
Matrix: Waste
Analysis Batch: 192804

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192860

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		2500		mg/Kg		06/22/15 13:42	06/22/15 14:07	1
Motor Oil (>C24-C36)	ND		5000		mg/Kg		06/22/15 13:42	06/22/15 14:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	99		50 - 150	06/22/15 13:42	06/22/15 14:07	1

Lab Sample ID: LCS 580-192860/2-A
Matrix: Waste
Analysis Batch: 192804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 192860

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
#2 Diesel (C10-C24)			50000	53000		mg/Kg		106	70 - 125		
Motor Oil (>C24-C36)			50200	56500		mg/Kg		113	64 - 127		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	103		50 - 150

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCSD 580-192860/3-A
Matrix: Waste
Analysis Batch: 192804

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 192860

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)			50000	53600		mg/Kg		107	70 - 125	1	16
Motor Oil (>C24-C36)			50200	57400		mg/Kg		114	64 - 127	2	17

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*105*		*50 - 150*

Lab Chronicle

Client: Ingenium Group, LLC
Project/Site: Kelly Moore

TestAmerica Job ID: 580-50925-1

Client Sample ID: # KMUNKNOWN1
Date Collected: 06/17/15 14:00
Date Received: 06/18/15 15:00

Lab Sample ID: 580-50925-1
Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3585			77835	06/24/15 15:30	YML	TAL SAC
Total/NA	Analysis	8260B		1	77763	06/24/15 16:42	VSG	TAL SAC
Total/NA	Prep	5035			192869	06/22/15 15:08	IWH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	192832	06/22/15 16:44	D1R	TAL SEA
Total/NA	Prep	3580A			192860	06/22/15 13:42	EKK	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	192804	06/22/15 14:55	EKK	TAL SEA

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Certification Summary

Client: Ingenium Group, LLC
Project/Site: Kelly Moore

TestAmerica Job ID: 580-50925-1

Laboratory: TestAmerica Seattle

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska (UST)	State Program	10	UST-022	03-02-16
California	State Program	9	2901	01-31-17
L-A-B	DoD ELAP		L2236	01-19-16
L-A-B	ISO/IEC 17025		L2236	01-19-16
Montana (UST)	State Program	8	N/A	04-30-20
Oregon	NELAP	10	WA100007	11-06-15
US Fish & Wildlife	Federal		LE192332-0	02-28-16
USDA	Federal		P330-11-00222	04-08-17
Washington	State Program	10	C553	02-17-16

Laboratory: TestAmerica Sacramento

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2928-01	01-31-16
Alaska (UST)	State Program	10	UST-055	12-18-15
Arizona	State Program	9	AZ0708	08-11-15
Arkansas DEQ	State Program	6	88-0691	06-17-16
California	State Program	9	2897	01-31-16
Colorado	State Program	8	N/A	08-31-15
Connecticut	State Program	1	PH-0691	06-30-15 *
Florida	NELAP	4	E87570	06-30-16 *
Hawaii	State Program	9	N/A	01-29-16
Illinois	NELAP	5	200060	03-17-16
Kansas	NELAP	7	E-10375	10-31-15
Louisiana	NELAP	6	30612	06-30-16
Michigan	State Program	5	9947	01-31-16
Nevada	State Program	9	CA44	07-31-15
New Jersey	NELAP	2	CA005	06-30-15 *
New York	NELAP	2	11666	04-01-16
Oregon	NELAP	10	CA200005	01-29-16
Oregon	NELAP Secondary AB	10	E87570	06-30-15
Pennsylvania	NELAP	3	9947	03-31-16
Texas	NELAP	6	T104704399-08-TX	05-31-16
US Fish & Wildlife	Federal		LE148388-0	02-28-16
USDA	Federal		P330-11-00436	12-30-17
USEPA UCMR	Federal	1	CA00044	11-06-16
Utah	NELAP	8	QUAN1	02-28-16
Virginia	NELAP Secondary AB	3	460278	03-14-16
Washington	State Program	10	C581	05-04-16
West Virginia (DW)	State Program	3	9930C	12-31-15
Wyoming	State Program	8	8TMS-Q	01-29-16

* Certification renewal pending - certification considered valid.

Sample Summary

Client: Ingenium Group, LLC
Project/Site: Kelly Moore

TestAmerica Job ID: 580-50925-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-50925-1	# KMUNKNOWN1	Waste	06/17/15 14:00	06/18/15 15:00

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.testamericainc.com

☐ Rush
☐ Short Hold

Chain of Custody Record

Client	Client Contact	Date	Chain of Custody Number
INGENIUM	Amy Corvin	6-18-15	24982
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
8206 S 192nd ST	206-268-0406	50925	
City / State / Zip Code	**Sampler**	**Lab Contact**	
KENT / WA / 98032			
Project Name and Location (State)	**Billing Contact**		
KELLY MOORE			
Contract/Purchase Order/Quote No.			
7799			

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: DRHLT	TPH-G	BTEX	8260 BTEX									Special Instructions/ Conditions of Receipt
~~UNKNOWN TANK~~ 1	6-17-15	2pm		L									X	X	X	X	X								FOLLOW-UP 8260 FULL LIST
UNKNOWN 1																									

580-50925 Chain of Custody

JR2
Cooler/TB Dig/IR/cor 12.1 °C unc 11.8 °C
Cooler Dsc is Blue/Wht Lab 1805
Wet/Packs Packing N/A
W/O LC

Cooler	Possible Hazard Identification	Sample Disposal	
☐ Yes ☐ No Cooler Temp: _____	☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown	☐ Return To Client	☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days)
☐ 24 Hours ☒ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By Sign/Print	Date	Time	Received By Sign/Print	Date	Time
1.	Jody McKnight	6-17-15	12:15	Francisco Luna	6/18/15	1500
2.						
3.						

Comments

DISTRIBUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

TAL-8274-580 (0210)

Login Sample Receipt Checklist

Client: Ingenium Group, LLC

Job Number: 580-50925-1

Login Number: 50925
List Number: 1
Creator: Blankinship, Tom X

List Source: TestAmerica Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	Refer to Job Narrative for details.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	no
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	False	Refer to Job Narrative for details.
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	False	Sample splitting required for subcontract purposes.
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Ingenium Group, LLC

Job Number: 580-50925-1

Login Number: 50925
List Number: 2
Creator: Hytrek, Cheryl

List Source: TestAmerica Sacramento
List Creation: 06/23/15 12:02 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

October 16, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project 0146970060
Laboratory Reference No. 1510-113

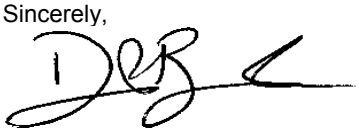
Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on October 15, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,



David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 16, 2015
Samples Submitted: October 15, 2015
Laboratory Reference: 1510-113
Project: 0146970060

Case Narrative

Samples were collected on October 15, 2015 and received by the laboratory on October 15, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Volatiles EPA 8260C Analysis

Please note that EPA 5035 approved vials were not supplied for this analysis. The sample was therefore extracted and analyzed out of a 4oz jar. Some loss of volatiles may have occurred.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

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Date of Report: October 16, 2015
Samples Submitted: October 15, 2015
Laboratory Reference: 1510-113
Project: 0146970060

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-R01-101515**					
Laboratory ID:	10-113-01					
Benzene	**0.076**	0.020	EPA 8021B	10-15-15	10-15-15	
Toluene	**ND**	0.063	EPA 8021B	10-15-15	10-15-15	
Ethyl Benzene	**0.18**	0.063	EPA 8021B	10-15-15	10-15-15	
m,p-Xylene	**0.25**	0.063	EPA 8021B	10-15-15	10-15-15	
o-Xylene	**ND**	0.063	EPA 8021B	10-15-15	10-15-15	
Gasoline	**69**	6.3	NWTPH-Gx	10-15-15	10-15-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*68-129*				
Client ID:	**KM-R02-101515**					
Laboratory ID:	10-113-02					
Benzene	**ND**	0.020	EPA 8021B	10-15-15	10-15-15	
Toluene	**ND**	0.053	EPA 8021B	10-15-15	10-15-15	
Ethyl Benzene	**0.20**	0.053	EPA 8021B	10-15-15	10-15-15	
m,p-Xylene	**0.33**	0.053	EPA 8021B	10-15-15	10-15-15	
o-Xylene	**ND**	0.053	EPA 8021B	10-15-15	10-15-15	
Gasoline	**21**	5.3	NWTPH-Gx	10-15-15	10-15-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*68-129*				
Client ID:	**KM-STP01-101515**					
Laboratory ID:	10-113-03					
Benzene	**0.055**	0.020	EPA 8021B	10-15-15	10-15-15	
Toluene	**ND**	0.062	EPA 8021B	10-15-15	10-15-15	
Ethyl Benzene	**4.7**	0.062	EPA 8021B	10-15-15	10-15-15	
m,p-Xylene	**1.9**	0.062	EPA 8021B	10-15-15	10-15-15	
o-Xylene	**ND**	0.062	EPA 8021B	10-15-15	10-15-15	
Gasoline	**36**	6.2	NWTPH-Gx	10-15-15	10-15-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*96*	*68-129*				

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Date of Report: October 16, 2015
Samples Submitted: October 15, 2015
Laboratory Reference: 1510-113
Project: 0146970060

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-CHAR01-101515**					
Laboratory ID:	10-113-04					
Benzene	**ND**	0.020	EPA 8021B	10-15-15	10-15-15	
Toluene	**ND**	0.063	EPA 8021B	10-15-15	10-15-15	
Ethyl Benzene	**0.41**	0.063	EPA 8021B	10-15-15	10-15-15	
m,p-Xylene	**0.49**	0.063	EPA 8021B	10-15-15	10-15-15	
o-Xylene	**0.19**	0.063	EPA 8021B	10-15-15	10-15-15	
Gasoline	**20**	6.3	NWTPH-Gx	10-15-15	10-15-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*82*	*68-129*				

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Date of Report: October 16, 2015
Samples Submitted: October 15, 2015
Laboratory Reference: 1510-113
Project: 0146970060

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1015S1					
Benzene	**ND**	0.020	EPA 8021B	10-15-15	10-15-15	
Toluene	**ND**	0.050	EPA 8021B	10-15-15	10-15-15	
Ethyl Benzene	**ND**	0.050	EPA 8021B	10-15-15	10-15-15	
m,p-Xylene	**ND**	0.050	EPA 8021B	10-15-15	10-15-15	
o-Xylene	**ND**	0.050	EPA 8021B	10-15-15	10-15-15	
Gasoline	**ND**	5.0	NWTPH-Gx	10-15-15	10-15-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*96*	*68-129*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	10-105-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*101*	*103*	*68-129*			
SPIKE BLANKS											
Laboratory ID:	SB1015S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**1.11**	**1.13**	1.00	1.00		**111**	**113**	76-124	2	17	
Toluene	**1.06**	**1.09**	1.00	1.00		**106**	**109**	78-124	3	16	
Ethyl Benzene	**1.05**	**1.06**	1.00	1.00		**105**	**106**	77-123	1	17	
m,p-Xylene	**1.04**	**1.06**	1.00	1.00		**104**	**106**	78-124	2	17	
o-Xylene	**1.03**	**1.05**	1.00	1.00		**103**	**105**	76-123	2	18	
Surrogate:											
Fluorobenzene						*101*	*101*	*68-129*			

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Date of Report: October 16, 2015
Samples Submitted: October 15, 2015
Laboratory Reference: 1510-113
Project: 0146970060

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-STP01-101515**					
Laboratory ID:	10-113-03					
Diesel Range Organics	**74**	27	NWTPH-Dx	10-15-15	10-15-15	M
Lube Oil	**94**	55	NWTPH-Dx	10-15-15	10-15-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*93*	*50-150*				
Client ID:	**KM-CHAR01-101515**					
Laboratory ID:	10-113-04					
Diesel Range Organics	**230**	28	NWTPH-Dx	10-15-15	10-15-15	M,N
Lube Oil	**900**	55	NWTPH-Dx	10-15-15	10-15-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*101*	*50-150*				

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Date of Report: October 16, 2015
Samples Submitted: October 15, 2015
Laboratory Reference: 1510-113
Project: 0146970060

NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1015S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	10-15-15	10-15-15	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	10-15-15	10-15-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*106*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	10-105-01									
	ORIG	DUP								
Diesel Range	**ND**	**ND**	NA	NA		NA	NA	NA	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA	NA	NA	NA	
Surrogate:										
o-Terphenyl						*74* *98*	*50-150*			

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Date of Report: October 16, 2015
Samples Submitted: October 15, 2015
Laboratory Reference: 1510-113
Project: 0146970060

VOLATILES EPA 8260C
Page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-CHAR01-101515**					
Laboratory ID:	10-113-04					
Dichlorodifluoromethane	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
Chloromethane	ND	0.0053	EPA 8260C	10-15-15	10-15-15	
Vinyl Chloride	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
Bromomethane	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
Chloroethane	ND	0.0053	EPA 8260C	10-15-15	10-15-15	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
1,1-Dichloroethene	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
Acetone	0.48	0.28	EPA 8260C	10-16-15	10-16-15	
Iodomethane	ND	0.0053	EPA 8260C	10-15-15	10-15-15	
Carbon Disulfide	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
Methylene Chloride	ND	0.0053	EPA 8260C	10-15-15	10-15-15	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
1,1-Dichloroethane	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
Vinyl Acetate	ND	0.0053	EPA 8260C	10-15-15	10-15-15	
2,2-Dichloropropane	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
2-Butanone	ND	0.0053	EPA 8260C	10-15-15	10-15-15	
Bromochloromethane	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
Chloroform	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
Carbon Tetrachloride	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
1,1-Dichloropropene	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
Benzene	0.0026	0.0011	EPA 8260C	10-15-15	10-15-15	
1,2-Dichloroethane	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
Trichloroethene	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
1,2-Dichloropropane	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
Dibromomethane	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
Bromodichloromethane	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
2-Chloroethyl Vinyl Ether	ND	0.0053	EPA 8260C	10-15-15	10-15-15	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
Methyl Isobutyl Ketone	ND	0.0053	EPA 8260C	10-15-15	10-15-15	
Toluene	ND	0.0053	EPA 8260C	10-15-15	10-15-15	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	10-15-15	10-15-15	

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Date of Report: October 16, 2015
Samples Submitted: October 15, 2015
Laboratory Reference: 1510-113
Project: 0146970060

VOLATILES EPA 8260C
Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-CHAR01-101515**					
Laboratory ID:	10-113-04					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
Tetrachloroethene	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
1,3-Dichloropropane	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
2-Hexanone	ND	0.0053	EPA 8260C	10-15-15	10-15-15	
Dibromochloromethane	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
1,2-Dibromoethane	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
Chlorobenzene	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
Ethylbenzene	0.14	0.0011	EPA 8260C	10-15-15	10-15-15	
m,p-Xylene	0.37	0.0021	EPA 8260C	10-15-15	10-15-15	
o-Xylene	0.15	0.0011	EPA 8260C	10-15-15	10-15-15	
Styrene	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
Bromoform	ND	0.0011	EPA 8260C	10-15-15	10-15-15	
Isopropylbenzene	0.14	0.0053	EPA 8260C	10-15-15	10-15-15	
Bromobenzene	ND	0.057	EPA 8260C	10-16-15	10-16-15	
1,1,2,2-Tetrachloroethane	ND	0.057	EPA 8260C	10-16-15	10-16-15	
1,2,3-Trichloropropane	ND	0.057	EPA 8260C	10-16-15	10-16-15	
n-Propylbenzene	0.21	0.057	EPA 8260C	10-16-15	10-16-15	
2-Chlorotoluene	ND	0.057	EPA 8260C	10-16-15	10-16-15	
4-Chlorotoluene	ND	0.057	EPA 8260C	10-16-15	10-16-15	
1,3,5-Trimethylbenzene	ND	0.057	EPA 8260C	10-16-15	10-16-15	
tert-Butylbenzene	ND	0.057	EPA 8260C	10-16-15	10-16-15	
1,2,4-Trimethylbenzene	ND	0.057	EPA 8260C	10-16-15	10-16-15	
sec-Butylbenzene	ND	0.057	EPA 8260C	10-16-15	10-16-15	
1,3-Dichlorobenzene	ND	0.057	EPA 8260C	10-16-15	10-16-15	
p-Isopropyltoluene	ND	0.057	EPA 8260C	10-16-15	10-16-15	
1,4-Dichlorobenzene	ND	0.057	EPA 8260C	10-16-15	10-16-15	
1,2-Dichlorobenzene	ND	0.057	EPA 8260C	10-16-15	10-16-15	
n-Butylbenzene	ND	0.057	EPA 8260C	10-16-15	10-16-15	
1,2-Dibromo-3-chloropropane	ND	0.28	EPA 8260C	10-16-15	10-16-15	
1,2,4-Trichlorobenzene	ND	0.057	EPA 8260C	10-16-15	10-16-15	
Hexachlorobutadiene	ND	0.28	EPA 8260C	10-16-15	10-16-15	
Naphthalene	ND	0.057	EPA 8260C	10-16-15	10-16-15	
1,2,3-Trichlorobenzene	ND	0.057	EPA 8260C	10-16-15	10-16-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*120*	*76-131*				
Toluene-d8	*105*	*83-126*				
4-Bromofluorobenzene	*98*	*60-146*				

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Date of Report: October 16, 2015
Samples Submitted: October 15, 2015
Laboratory Reference: 1510-113
Project: 0146970060

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1015S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
Chloromethane	ND	0.0050	EPA 8260C	10-15-15	10-15-15	
Vinyl Chloride	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
Bromomethane	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
Chloroethane	ND	0.0050	EPA 8260C	10-15-15	10-15-15	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
Acetone	ND	0.0050	EPA 8260C	10-15-15	10-15-15	
Iodomethane	ND	0.0050	EPA 8260C	10-15-15	10-15-15	
Carbon Disulfide	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
Methylene Chloride	ND	0.0050	EPA 8260C	10-15-15	10-15-15	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
Vinyl Acetate	ND	0.0050	EPA 8260C	10-15-15	10-15-15	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
2-Butanone	ND	0.0050	EPA 8260C	10-15-15	10-15-15	
Bromochloromethane	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
Chloroform	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
Benzene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
Trichloroethene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
Dibromomethane	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
Bromodichloromethane	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	10-15-15	10-15-15	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260C	10-15-15	10-15-15	
Toluene	ND	0.0050	EPA 8260C	10-15-15	10-15-15	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	

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Date of Report: October 16, 2015
Samples Submitted: October 15, 2015
Laboratory Reference: 1510-113
Project: 0146970060

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1015S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
Tetrachloroethene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
2-Hexanone	ND	0.0050	EPA 8260C	10-15-15	10-15-15	
Dibromochloromethane	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
Chlorobenzene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
Ethylbenzene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
m,p-Xylene	ND	0.0020	EPA 8260C	10-15-15	10-15-15	
o-Xylene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
Styrene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
Bromoform	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
Isopropylbenzene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
Bromobenzene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
n-Propylbenzene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
2-Chlorotoluene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
4-Chlorotoluene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
tert-Butylbenzene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
sec-Butylbenzene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
p-Isopropyltoluene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
n-Butylbenzene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	10-15-15	10-15-15	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	10-15-15	10-15-15	
Naphthalene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	10-15-15	10-15-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*120*	*76-131*				
Toluene-d8	*112*	*83-126*				
4-Bromofluorobenzene	*107*	*60-146*				

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Date of Report: October 16, 2015
Samples Submitted: October 15, 2015
Laboratory Reference: 1510-113
Project: 0146970060

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1016S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
Chloromethane	ND	0.0050	EPA 8260C	10-16-15	10-16-15	
Vinyl Chloride	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
Bromomethane	0.0043	0.0010	EPA 8260C	10-16-15	10-16-15	
Chloroethane	ND	0.0050	EPA 8260C	10-16-15	10-16-15	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
Acetone	ND	0.0050	EPA 8260C	10-16-15	10-16-15	
Iodomethane	ND	0.0050	EPA 8260C	10-16-15	10-16-15	
Carbon Disulfide	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
Methylene Chloride	ND	0.0050	EPA 8260C	10-16-15	10-16-15	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
Vinyl Acetate	ND	0.0050	EPA 8260C	10-16-15	10-16-15	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
2-Butanone	ND	0.0050	EPA 8260C	10-16-15	10-16-15	
Bromochloromethane	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
Chloroform	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
Benzene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
Trichloroethene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
Dibromomethane	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
Bromodichloromethane	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	10-16-15	10-16-15	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260C	10-16-15	10-16-15	
Toluene	ND	0.0050	EPA 8260C	10-16-15	10-16-15	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	

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Date of Report: October 16, 2015
Samples Submitted: October 15, 2015
Laboratory Reference: 1510-113
Project: 0146970060

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1016S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
Tetrachloroethene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
2-Hexanone	ND	0.0050	EPA 8260C	10-16-15	10-16-15	
Dibromochloromethane	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
Chlorobenzene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
Ethylbenzene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
m,p-Xylene	ND	0.0020	EPA 8260C	10-16-15	10-16-15	
o-Xylene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
Styrene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
Bromoform	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
Isopropylbenzene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
Bromobenzene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
n-Propylbenzene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
2-Chlorotoluene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
4-Chlorotoluene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
tert-Butylbenzene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
sec-Butylbenzene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
p-Isopropyltoluene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
n-Butylbenzene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	10-16-15	10-16-15	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	10-16-15	10-16-15	
Naphthalene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	10-16-15	10-16-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*119*	*76-131*				
Toluene-d8	*114*	*83-126*				
4-Bromofluorobenzene	*110*	*60-146*				

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Date of Report: October 16, 2015
Samples Submitted: October 15, 2015
Laboratory Reference: 1510-113
Project: 0146970060

VOLATILES EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1015S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0512**	**0.0536**	0.0500	0.0500	102	107	68-126	5	15	
Benzene	**0.0526**	**0.0551**	0.0500	0.0500	105	110	75-121	5	15	
Trichloroethene	**0.0453**	**0.0484**	0.0500	0.0500	91	97	83-116	7	15	
Toluene	**0.0483**	**0.0514**	0.0500	0.0500	97	103	80-115	6	15	
Chlorobenzene	**0.0430**	**0.0460**	0.0500	0.0500	86	92	76-120	7	15	
Surrogate:										
Dibromofluoromethane					*103*	*112*	*76-131*			
Toluene-d8					*95*	*105*	*83-126*			
4-Bromofluorobenzene					*93*	*102*	*60-146*			

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Date of Report: October 16, 2015
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Project: 0146970060

VOLATILES EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1016S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0443**	**0.0422**	0.0500	0.0500	89	84	68-126	5	15	
Benzene	**0.0531**	**0.0506**	0.0500	0.0500	106	101	75-121	5	15	
Trichloroethene	**0.0458**	**0.0442**	0.0500	0.0500	92	88	83-116	4	15	
Toluene	**0.0510**	**0.0486**	0.0500	0.0500	102	97	80-115	5	15	
Chlorobenzene	**0.0440**	**0.0420**	0.0500	0.0500	88	84	76-120	5	15	
Surrogate:										
Dibromofluoromethane					*108*	*108*	*76-131*			
Toluene-d8					*102*	*102*	*83-126*			
4-Bromofluorobenzene					*98*	*97*	*60-146*			

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Date of Report: October 16, 2015
Samples Submitted: October 15, 2015
Laboratory Reference: 1510-113
Project: 0146970060

TOTAL METALS
EPA 6010C/7471B

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-113-03					
Client ID:	**KM-STP01-101515**					
Arsenic	**ND**	11	6010C	10-15-15	10-15-15	
Barium	**50**	2.7	6010C	10-15-15	10-15-15	
Cadmium	**ND**	0.55	6010C	10-15-15	10-15-15	
Chromium	**14**	0.55	6010C	10-15-15	10-15-15	
Lead	**38**	5.5	6010C	10-15-15	10-15-15	
Mercury	**ND**	0.27	7471B	10-16-15	10-16-15	
Selenium	**ND**	11	6010C	10-15-15	10-15-15	
Silver	**ND**	1.1	6010C	10-15-15	10-15-15	
Lab ID:	10-113-04					
Client ID:	**KM-CHAR01-101515**					
Arsenic	**ND**	11	6010C	10-15-15	10-15-15	
Barium	**57**	2.8	6010C	10-15-15	10-15-15	
Cadmium	**ND**	0.55	6010C	10-15-15	10-15-15	
Chromium	**10**	0.55	6010C	10-15-15	10-15-15	
Lead	**21**	5.5	6010C	10-15-15	10-15-15	
Mercury	**ND**	0.28	7471B	10-16-15	10-16-15	
Selenium	**ND**	11	6010C	10-15-15	10-15-15	
Silver	**1.2**	1.1	6010C	10-15-15	10-15-15	

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Date of Report: October 16, 2015
Samples Submitted: October 15, 2015
Laboratory Reference: 1510-113
Project: 0146970060

TOTAL METALS
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-15-15
Date Analyzed: 10-15-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1015SM1

Analyte	Method	Result	PQL
Arsenic	6010C	**ND**	10
Barium	6010C	**ND**	2.5
Cadmium	6010C	**ND**	0.50
Chromium	6010C	**ND**	0.50
Lead	6010C	**ND**	5.0
Selenium	6010C	**ND**	10
Silver	6010C	**ND**	1.0

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Date of Report: October 16, 2015
Samples Submitted: October 15, 2015
Laboratory Reference: 1510-113
Project: 0146970060

TOTAL MERCURY
EPA 7471B
METHOD BLANK QUALITY CONTROL

Date Extracted:	10-16-15
Date Analyzed:	10-16-15
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1016S1

Analyte	Method	Result	PQL
Mercury	7471B	**ND**	0.25

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Date of Report: October 16, 2015
Samples Submitted: October 15, 2015
Laboratory Reference: 1510-113
Project: 0146970060

TOTAL METALS
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 10-15-15
Date Analyzed: 10-15-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-105-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Barium	**47.1**	**48.0**	2	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**12.5**	**12.6**	1	0.50	
Lead	**ND**	**ND**	NA	5.0	
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	1.0	

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Date of Report: October 16, 2015
Samples Submitted: October 15, 2015
Laboratory Reference: 1510-113
Project: 0146970060

TOTAL MERCURY
EPA 7471B
DUPLICATE QUALITY CONTROL

Date Extracted: 10-16-15
Date Analyzed: 10-16-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-113-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Mercury	**ND**	**ND**	NA	0.25	

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Date of Report: October 16, 2015
Samples Submitted: October 15, 2015
Laboratory Reference: 1510-113
Project: 0146970060

TOTAL METALS
EPA 6010C
MS/MSD QUALITY CONTROL

Date Extracted: 10-15-15
Date Analyzed: 10-15-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-105-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**101**	101	**102**	102	0	
Barium	100	**147**	99	**147**	100	0	
Cadmium	50.0	**50.0**	100	**49.8**	100	0	
Chromium	100	**110**	98	**109**	96	1	
Lead	250	**247**	99	**251**	101	2	
Selenium	100	**93.5**	93	**91.5**	92	2	
Silver	25.0	**23.3**	93	**23.3**	93	0	

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Date of Report: October 16, 2015
Samples Submitted: October 15, 2015
Laboratory Reference: 1510-113
Project: 0146970060

TOTAL MERCURY
EPA 7471B
MS/MSD QUALITY CONTROL

Date Extracted: 10-16-15
Date Analyzed: 10-16-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-113-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Mercury	0.500	**0.540**	108	**0.515**	103	5	

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Date of Report: October 16, 2015
Samples Submitted: October 15, 2015
Laboratory Reference: 1510-113
Project: 0146970060

% MOISTURE

Date Analyzed: 10-15-15

Client ID	Lab ID	% Moisture
KM-R01-101515	10-113-01	13
KM-R02-101515	10-113-02	5
KM-STP01-101515	10-113-03	8
KM-CHAR01-101515	10-113-04	10

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 10-113

Company: AMEC FW
Project Number: 01469700 60
Project Name: Kelly Moore
Project Manager: Tasya Gray
Sampled by: K. Karbines

Turnaround Request (in working days)
(Check One)
☒ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☐ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals (RCRA 8)	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
1	KM-R01-101515	10/15/15	1116	soil	2		X															
2	KM-R02-101515	10/15/15	1120	soil	2		X															
3	KM-STP01-101515	10/15/15	1233	soil	2		X		X									X				
4	KM-CHAR01-101515	10/15/15	1235	soil	2		X		X	X								X				
5	Trip Blanks	-	-	W	2																	

	Signature	Company	Date	Time
Relinquished	[signature]	AMEC FW	10/15/15	1350
Received	[signature]	Spdg	10/15/15	1350
Relinquished		"	"	1425
Received	[signature]	OSE	10/15/15	1425
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Send results to Kyle.karbines@amec.com ASAP
Homogenize samples thoroughly

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐
Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

October 21, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project 0146970060
Laboratory Reference No. 1510-132

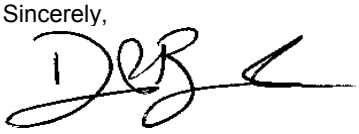
Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on October 16, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,



David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 21, 2015
Samples Submitted: October 16, 2015
Laboratory Reference: 1510-132
Project: 0146970060

Case Narrative

Samples were collected on October 16, 2015 and received by the laboratory on October 16, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The chromatogram for sample KM-R04-101615 is similar to mineral spirits.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 21, 2015
Samples Submitted: October 16, 2015
Laboratory Reference: 1510-132
Project: 0146970060

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-R03-101615**					
Laboratory ID:	10-132-01					
Benzene	**ND**	0.020	EPA 8021B	10-19-15	10-19-15	
Toluene	**ND**	0.076	EPA 8021B	10-19-15	10-19-15	
Ethyl Benzene	**ND**	0.076	EPA 8021B	10-19-15	10-19-15	
m,p-Xylene	**0.22**	0.076	EPA 8021B	10-19-15	10-19-15	
o-Xylene	**ND**	0.076	EPA 8021B	10-19-15	10-19-15	
Gasoline	**ND**	7.6	NWTPH-Gx	10-19-15	10-19-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*102*	*68-129*				
Client ID:	**KM-R04-101615**					
Laboratory ID:	10-132-02					
Benzene	**0.23**	0.020	EPA 8021B	10-19-15	10-19-15	
Toluene	**ND**	0.063	EPA 8021B	10-19-15	10-19-15	
Ethyl Benzene	**5.3**	0.063	EPA 8021B	10-19-15	10-19-15	
m,p-Xylene	**5.9**	1.3	EPA 8021B	10-19-15	10-20-15	
o-Xylene	**ND**	0.32	EPA 8021B	10-19-15	10-19-15	U1
Gasoline	**700**	130	NWTPH-Gx	10-19-15	10-20-15	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*68-129*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 21, 2015
Samples Submitted: October 16, 2015
Laboratory Reference: 1510-132
Project: 0146970060

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1019S1					
Benzene	**ND**	0.020	EPA 8021B	10-19-15	10-19-15	
Toluene	**ND**	0.050	EPA 8021B	10-19-15	10-19-15	
Ethyl Benzene	**ND**	0.050	EPA 8021B	10-19-15	10-19-15	
m,p-Xylene	**ND**	0.050	EPA 8021B	10-19-15	10-19-15	
o-Xylene	**ND**	0.050	EPA 8021B	10-19-15	10-19-15	
Gasoline	**ND**	5.0	NWTPH-Gx	10-19-15	10-19-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*102*	*68-129*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	10-136-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*104*	*108*	*68-129*			
SPIKE BLANKS											
Laboratory ID:	SB1019S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**1.08**	**1.15**	1.00	1.00		**108**	**115**	76-124	6	17	
Toluene	**1.03**	**1.10**	1.00	1.00		**103**	**110**	78-124	7	16	
Ethyl Benzene	**1.01**	**1.08**	1.00	1.00		**101**	**108**	77-123	7	17	
m,p-Xylene	**1.01**	**1.08**	1.00	1.00		**101**	**108**	78-124	7	17	
o-Xylene	**1.00**	**1.07**	1.00	1.00		**100**	**107**	76-123	7	18	
Surrogate:											
Fluorobenzene						*100*	*101*	*68-129*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 21, 2015
Samples Submitted: October 16, 2015
Laboratory Reference: 1510-132
Project: 0146970060

% MOISTURE

Date Analyzed: 10-19-15

Client ID	Lab ID	% Moisture
KM-R03-101615	10-132-01	10
KM-R04-101615	10-132-02	9

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z - The sample chromatogram is similar to mineral spirits

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC FW
Project Number: 01469700060
Project Name: Kelly Moore
Project Manager: T. Gray
Sampled by: K. Korbines

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 10-132

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
1	KM-R03-101615	10/16/15	1103	soil	2		X															X
2	KM-R04-101615	10/16/15	1150	soil	2		X															X
3	~~TRIP BLANK~~			~~W~~	2																	

	Signature	Company	Date	Time
Relinquished		AMEC FW	10/16/15	1347
Received	Van	Spdy	11	1347
Relinquished	11	11	11	1435
Received		AMEC	10/16/15	1435
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Homogenize samples thoroughly.

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

October 27, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project 0146970060
Laboratory Reference No. 1510-148

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on October 19, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 27, 2015
Samples Submitted: October 19, 2015
Laboratory Reference: 1510-148
Project: 0146970060

Case Narrative

Samples were collected on October 19, 2015 and received by the laboratory on October 19, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The chromatograms for samples KM-R05-101915-2 and KM-R06-101915-6.5 are similar to mineral spirits.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 27, 2015
Samples Submitted: October 19, 2015
Laboratory Reference: 1510-148
Project: 0146970060

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-R05-101915-2**					
Laboratory ID:	10-148-01					
Benzene	**0.031**	0.020	EPA 8021B	10-20-15	10-26-15	
Toluene	**ND**	0.087	EPA 8021B	10-20-15	10-26-15	
Ethyl Benzene	**ND**	0.087	EPA 8021B	10-20-15	10-26-15	
m,p-Xylene	**0.41**	0.087	EPA 8021B	10-20-15	10-26-15	
o-Xylene	**ND**	0.087	EPA 8021B	10-20-15	10-26-15	
Gasoline	**230**	87.0	NWTPH-Gx	10-20-15	10-21-15	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*68-129*				
Client ID:	**KM-R06-101915-6.5**					
Laboratory ID:	10-148-02					
Benzene	**0.099**	0.020	EPA 8021B	10-20-15	10-21-15	
Toluene	**ND**	0.072	EPA 8021B	10-20-15	10-21-15	
Ethyl Benzene	**2.0**	0.072	EPA 8021B	10-20-15	10-21-15	
m,p-Xylene	**6.8**	0.072	EPA 8021B	10-20-15	10-21-15	
o-Xylene	**0.61**	0.072	EPA 8021B	10-20-15	10-21-15	
Gasoline	**140**	7.2	NWTPH-Gx	10-20-15	10-21-15	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*79*	*68-129*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 27, 2015
Samples Submitted: October 19, 2015
Laboratory Reference: 1510-148
Project: 0146970060

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1020S2					
Benzene	**ND**	0.020	EPA 8021B	10-20-15	10-20-15	
Toluene	**ND**	0.050	EPA 8021B	10-20-15	10-20-15	
Ethyl Benzene	**ND**	0.050	EPA 8021B	10-20-15	10-20-15	
m,p-Xylene	**ND**	0.050	EPA 8021B	10-20-15	10-20-15	
o-Xylene	**ND**	0.050	EPA 8021B	10-20-15	10-20-15	
Gasoline	**ND**	5.0	NWTPH-Gx	10-20-15	10-20-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*98*	*68-129*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	10-117-03										
	ORIG	DUP									
Benzene	**0.0667**	**0.0631**	NA	NA		NA		NA	6	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**6.18**	**6.37**	NA	NA		NA		NA	3	30	
Surrogate:											
Fluorobenzene						*82*	*80*	*68-129*			
SPIKE BLANKS											
Laboratory ID:	SB1020S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**1.09**	**1.11**	1.00	1.00		**109**	**111**	76-124	2	17	
Toluene	**1.05**	**1.07**	1.00	1.00		**105**	**107**	78-124	2	16	
Ethyl Benzene	**1.02**	**1.05**	1.00	1.00		**102**	**105**	77-123	3	17	
m,p-Xylene	**1.05**	**1.06**	1.00	1.00		**105**	**106**	78-124	1	17	
o-Xylene	**1.02**	**1.04**	1.00	1.00		**102**	**104**	76-123	2	18	
Surrogate:											
Fluorobenzene						*99*	*100*	*68-129*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 27, 2015
Samples Submitted: October 19, 2015
Laboratory Reference: 1510-148
Project: 0146970060

% MOISTURE

Date Analyzed: 10-20-15

Client ID	Lab ID	% Moisture
KM-R05-101915-2	10-148-01	6
KM-R06-101915-6.5	10-148-02	22

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z - The sample chromatogram is similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Amec Foster Wheeler
Project Number: 01469700060
Project Name: Kelly Moore
Project Manager: Tasya Gray
Sampled by: Lindsey Davidge

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 10-148

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
1	KM-R05-101915-2	10/19/15	0820	soil	2		X															X
2	KM-R06-101915-6.5	10/19/15	0825	soil	2		X															X

	Signature	Company	Date	Time
Relinquished		Amec Foster Wheeler	10/19/15	1355
Received	Van	Spdx	11	1355
Relinquished	11	11	11	1645
Received		OSE	10/19/15	1645
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Standard ☒ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

October 26, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project 014697006
Laboratory Reference No. 1510-153

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on October 21, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 26, 2015
Samples Submitted: October 21, 2015
Laboratory Reference: 1510-153
Project: 014697006

Case Narrative

Samples were collected on October 21, 2015 and received by the laboratory on October 21, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The chromatograms for samples KM-R08-5-102015 and KM-R10-5-102015 are similar to mineral spirits.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 26, 2015
Samples Submitted: October 21, 2015
Laboratory Reference: 1510-153
Project: 014697006

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-R07-2-102015**					
Laboratory ID:	10-153-01					
Benzene	**ND**	0.020	EPA 8021B	10-21-15	10-21-15	
Toluene	**ND**	0.047	EPA 8021B	10-21-15	10-21-15	
Ethyl Benzene	**ND**	0.047	EPA 8021B	10-21-15	10-21-15	
m,p-Xylene	**0.11**	0.047	EPA 8021B	10-21-15	10-21-15	
o-Xylene	**ND**	0.047	EPA 8021B	10-21-15	10-21-15	
Gasoline	**ND**	4.7	NWTPH-Gx	10-21-15	10-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*68-129*				
Client ID:	**KM-R08-5-102015**					
Laboratory ID:	10-153-02					
Benzene	**0.18**	0.020	EPA 8021B	10-21-15	10-22-15	
Toluene	**ND**	0.095	EPA 8021B	10-21-15	10-22-15	
Ethyl Benzene	**8.6**	0.95	EPA 8021B	10-21-15	10-21-15	
m,p-Xylene	**6.9**	0.095	EPA 8021B	10-21-15	10-22-15	
o-Xylene	**ND**	0.095	EPA 8021B	10-21-15	10-22-15	
Gasoline	**99**	9.5	NWTPH-Gx	10-21-15	10-22-15	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*110*	*68-129*				
Client ID:	**KM-R09-2-102015**					
Laboratory ID:	10-153-03					
Benzene	**ND**	0.020	EPA 8021B	10-21-15	10-21-15	
Toluene	**ND**	0.045	EPA 8021B	10-21-15	10-21-15	
Ethyl Benzene	**ND**	0.045	EPA 8021B	10-21-15	10-21-15	
m,p-Xylene	**ND**	0.045	EPA 8021B	10-21-15	10-21-15	
o-Xylene	**ND**	0.045	EPA 8021B	10-21-15	10-21-15	
Gasoline	**ND**	4.5	NWTPH-Gx	10-21-15	10-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*68-129*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 26, 2015
Samples Submitted: October 21, 2015
Laboratory Reference: 1510-153
Project: 014697006

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-R10-5-102015**					
Laboratory ID:	10-153-04					
Benzene	**ND**	0.020	EPA 8021B	10-21-15	10-22-15	
Toluene	**ND**	0.10	EPA 8021B	10-21-15	10-22-15	
Ethyl Benzene	**0.27**	0.10	EPA 8021B	10-21-15	10-22-15	
m,p-Xylene	**2.7**	0.10	EPA 8021B	10-21-15	10-22-15	
o-Xylene	**ND**	0.10	EPA 8021B	10-21-15	10-22-15	U1
Gasoline	**1400**	100	NWTPH-Gx	10-21-15	10-21-15	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*98*	*68-129*				

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Date of Report: October 26, 2015
Samples Submitted: October 21, 2015
Laboratory Reference: 1510-153
Project: 014697006

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1021S1					
Benzene	**ND**	0.020	EPA 8021B	10-21-15	10-21-15	
Toluene	**ND**	0.050	EPA 8021B	10-21-15	10-21-15	
Ethyl Benzene	**ND**	0.050	EPA 8021B	10-21-15	10-21-15	
m,p-Xylene	**ND**	0.050	EPA 8021B	10-21-15	10-21-15	
o-Xylene	**ND**	0.050	EPA 8021B	10-21-15	10-21-15	
Gasoline	**ND**	5.0	NWTPH-Gx	10-21-15	10-21-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*68-129*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	10-151-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*104*	*104*	*68-129*			
SPIKE BLANKS											
Laboratory ID:	SB1021S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.918**	**0.992**	1.00	1.00		**92**	**99**	76-124	8	17	
Toluene	**0.878**	**0.965**	1.00	1.00		**88**	**97**	78-124	9	16	
Ethyl Benzene	**0.897**	**0.986**	1.00	1.00		**90**	**99**	77-123	9	17	
m,p-Xylene	**0.858**	**0.951**	1.00	1.00		**86**	**95**	78-124	10	17	
o-Xylene	**0.890**	**0.976**	1.00	1.00		**89**	**98**	76-123	9	18	
Surrogate:											
Fluorobenzene						*88*	*93*	*68-129*			

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Date of Report: October 26, 2015
Samples Submitted: October 21, 2015
Laboratory Reference: 1510-153
Project: 014697006

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Trip Blank**					
Laboratory ID:	10-153-05					
Benzene	**ND**	1.0	EPA 8021B	10-20-15	10-20-15	
Toluene	**ND**	1.0	EPA 8021B	10-20-15	10-20-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-20-15	10-20-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-20-15	10-20-15	
o-Xylene	**ND**	1.0	EPA 8021B	10-20-15	10-20-15	
Gasoline	**ND**	100	NWTPH-Gx	10-20-15	10-20-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*71-111*				

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Date of Report: October 26, 2015
Samples Submitted: October 21, 2015
Laboratory Reference: 1510-153
Project: 014697006

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1020W1					
Benzene	**ND**	1.0	EPA 8021B	10-20-15	10-20-15	
Toluene	**ND**	1.0	EPA 8021B	10-20-15	10-20-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-20-15	10-20-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-20-15	10-20-15	
o-Xylene	**ND**	1.0	EPA 8021B	10-20-15	10-20-15	
Gasoline	**ND**	100	NWTPH-Gx	10-20-15	10-20-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*71-111*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	10-141-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**1.39**	**1.23**	NA	NA		NA		NA	12	30	
Ethyl Benzene	**9.99**	**9.30**	NA	NA		NA		NA	7	30	
m,p-Xylene	**23.4**	**20.9**	NA	NA		NA		NA	11	30	
o-Xylene	**4.29**	**3.70**	NA	NA		NA		NA	15	30	
Gasoline	**393**	**375**	NA	NA		NA		NA	5	30	
Surrogate:											
Fluorobenzene						*98*	*98*	*71-111*			
SPIKE BLANKS											
Laboratory ID:	SB1020W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**49.0**	**48.4**	50.0	50.0		**98**	**97**	83-119	1	13	
Toluene	**47.5**	**46.5**	50.0	50.0		**95**	**93**	83-120	2	13	
Ethyl Benzene	**48.6**	**47.3**	50.0	50.0		**97**	**95**	82-120	3	12	
m,p-Xylene	**46.6**	**45.4**	50.0	50.0		**93**	**91**	80-122	3	13	
o-Xylene	**48.3**	**47.7**	50.0	50.0		**97**	**95**	80-120	1	10	
Surrogate:											
Fluorobenzene						*92*	*94*	*71-111*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 26, 2015
Samples Submitted: October 21, 2015
Laboratory Reference: 1510-153
Project: 014697006

% MOISTURE

Date Analyzed: 10-21-15

Client ID	Lab ID	% Moisture
KM-R07-2-102015	10-153-01	7
KM-R08-5-102015	10-153-02	14
KM-R09-2-102015	10-153-03	9
KM-R10-5-102015	10-153-04	7

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z - The chromatograms are similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 10-153

Company: AMEC Foster Wheeler
Project Number: 01469700660
Project Name: Kelly Moore
Project Manager: Tasya Gray
Sampled by: Jennifer Bellamy

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
1	KM-R07-2-102015	10/20/15	7:18	Soil	5		X															X
2	KM-R08-5-102015	10/20/15	7:25	Soil	5		X															
3	KM-R09-2-102015	10/20/15	13:52	Soil	2		X															
4	KM-R10-5-102015	10/20/15	13:55	Soil	2		X															
5	Trip Blank	—	—	Water	1		X															

	Signature	Company	Date	Time
Relinquished	Jennifer Bellamy	AMEC Foster Wheeler	10/20/15	14:36
Received	Van	JPay	11	11
Relinquished	11	11	11	1600
Received		OSE	10/20/15	1600
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

October 27, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project 0146970060
Laboratory Reference No. 1510-166

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on October 21, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 27, 2015
Samples Submitted: October 21, 2015
Laboratory Reference: 1510-166
Project: 0146970060

Case Narrative

Samples were collected on October 21, 2015 and received by the laboratory on October 21, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The chromatogram for sample KM-R12-5-102115 is similar to mineral spirits.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 27, 2015
Samples Submitted: October 21, 2015
Laboratory Reference: 1510-166
Project: 0146970060

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-R11-2-102115**					
Laboratory ID:	10-166-01					
Benzene	**ND**	0.020	EPA 8021B	10-22-15	10-22-15	
Toluene	**ND**	0.068	EPA 8021B	10-22-15	10-22-15	
Ethyl Benzene	**0.078**	0.068	EPA 8021B	10-22-15	10-22-15	
m,p-Xylene	**0.33**	0.068	EPA 8021B	10-22-15	10-22-15	
o-Xylene	**ND**	0.068	EPA 8021B	10-22-15	10-22-15	
Gasoline	**9.3**	6.8	NWTPH-Gx	10-22-15	10-22-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***89***	***68-129***				
Client ID:	**KM-R12-5-102115**					
Laboratory ID:	10-166-02					
Benzene	**0.075**	0.058	EPA 8021B	10-22-15	10-26-15	
Toluene	**ND**	0.29	EPA 8021B	10-22-15	10-26-15	
Ethyl Benzene	**0.89**	0.29	EPA 8021B	10-22-15	10-26-15	
m,p-Xylene	**7.5**	0.29	EPA 8021B	10-22-15	10-26-15	
o-Xylene	**ND**	1.5	EPA 8021B	10-22-15	10-26-15	U1
Gasoline	**5000**	290	NWTPH-Gx	10-22-15	10-26-15	Z
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***82***	***68-129***				

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 27, 2015
Samples Submitted: October 21, 2015
Laboratory Reference: 1510-166
Project: 0146970060

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1022S1					
Benzene	**ND**	0.020	EPA 8021B	10-22-15	10-22-15	
Toluene	**ND**	0.050	EPA 8021B	10-22-15	10-22-15	
Ethyl Benzene	**ND**	0.050	EPA 8021B	10-22-15	10-22-15	
m,p-Xylene	**ND**	0.050	EPA 8021B	10-22-15	10-22-15	
o-Xylene	**ND**	0.050	EPA 8021B	10-22-15	10-22-15	
Gasoline	**ND**	5.0	NWTPH-Gx	10-22-15	10-22-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***90***	***68-129***				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	10-166-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**0.0669**	**0.0686**	NA	NA		NA		NA	3	30	
m,p-Xylene	**0.286**	**0.298**	NA	NA		NA		NA	4	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**7.99**	**8.57**	NA	NA		NA		NA	7	30	
Surrogate:											
Fluorobenzene						***89***	***90***	***68-129***			
SPIKE BLANKS											
Laboratory ID:	SB1022S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.960**	**1.06**	1.00	1.00		**96**	**106**	76-124	10	17	
Toluene	**0.928**	**1.03**	1.00	1.00		**93**	**103**	78-124	10	16	
Ethyl Benzene	**0.914**	**1.01**	1.00	1.00		**91**	**101**	77-123	10	17	
m,p-Xylene	**0.920**	**1.02**	1.00	1.00		**92**	**102**	78-124	10	17	
o-Xylene	**0.934**	**1.01**	1.00	1.00		**93**	**101**	76-123	8	18	
Surrogate:											
Fluorobenzene						***88***	***96***	***68-129***			

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 27, 2015
Samples Submitted: October 21, 2015
Laboratory Reference: 1510-166
Project: 0146970060

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Trip Blank**					
Laboratory ID:	10-166-03					
Benzene	**ND**	1.0	EPA 8021B	10-22-15	10-22-15	
Toluene	**ND**	1.0	EPA 8021B	10-22-15	10-22-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-22-15	10-22-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-22-15	10-22-15	
o-Xylene	**ND**	1.0	EPA 8021B	10-22-15	10-22-15	
Gasoline	**ND**	100	NWTPH-Gx	10-22-15	10-22-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***89***	***71-111***				

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 27, 2015
Samples Submitted: October 21, 2015
Laboratory Reference: 1510-166
Project: 0146970060

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1022W1					
Benzene	**ND**	1.0	EPA 8021B	10-22-15	10-22-15	
Toluene	**ND**	1.0	EPA 8021B	10-22-15	10-22-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-22-15	10-22-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-22-15	10-22-15	
o-Xylene	**ND**	1.0	EPA 8021B	10-22-15	10-22-15	
Gasoline	**ND**	100	NWTPH-Gx	10-22-15	10-22-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***90***	***71-111***				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	10-145-02										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						***89***	***89***	***71-111***			
MATRIX SPIKES											
Laboratory ID:	10-145-02										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**51.4**	**55.3**	50.0	50.0	ND	**103**	**111**	83-123	7	15	
Toluene	**48.6**	**51.9**	50.0	50.0	ND	**97**	**104**	83-124	7	16	
Ethyl Benzene	**48.5**	**51.5**	50.0	50.0	ND	**97**	**103**	82-123	6	15	
m,p-Xylene	**48.3**	**51.2**	50.0	50.0	ND	**97**	**102**	81-125	6	17	
o-Xylene	**48.2**	**51.0**	50.0	50.0	ND	**96**	**102**	82-123	6	15	
Surrogate:											
Fluorobenzene						***95***	***99***	***71-111***			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 27, 2015
Samples Submitted: October 21, 2015
Laboratory Reference: 1510-166
Project: 0146970060

NWTPH-Gx/BTEX
SPIKE BLANK QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANK								
Laboratory ID:	SB1022W1							
	SB	SB		SB				
Benzene	**47.5**	50.0	NA	**95**	83-119	NA	13	
Toluene	**46.5**	50.0	NA	**93**	83-120	NA	13	
Ethyl Benzene	**47.7**	50.0	NA	**95**	82-120	NA	12	
m,p-Xylene	**45.7**	50.0	NA	**91**	80-122	NA	13	
o-Xylene	**47.4**	50.0	NA	**95**	80-120	NA	10	
Surrogate:								
Fluorobenzene				***93***	***71-111***			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 27, 2015
Samples Submitted: October 21, 2015
Laboratory Reference: 1510-166
Project: 0146970060

% MOISTURE

Date Analyzed: 10-22-15

Client ID	Lab ID	% Moisture
KM-R11-2-102115	10-166-01	14
KM-R12-5-102115	10-166-02	9

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z - The sample chromatogram is similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC Foster Wheeler
Project Number: 01469700060
Project Name: Kelly Moore
Project Manager: Tasya Gray
Sampled by: Kyle Korbines

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Days
- ☐ 3 Days
- ☒ Standard (7 Days) (TPH analysis 5 Days)
- ☐ _____ (other)

Laboratory Number: 10-166

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
1	KM-R11-2-102115	10/21/15	0825	soil	2		X															X
2	KM-R12-5-102115	10/21/15	0840	soil	2		X															↓
3	Trip Blank	-	-	w	2		X															

	Signature	Company	Date	Time
Relinquished	Kyle M.	AMEC FW	10/21/15	1229
Received	DerekB	SPEEDY MSGR	10-21-15	1229
Relinquished	DerekB	Speedy	10-21-15	1:10
Received		082E	10/21/15	1310
Relinquished				
Received				

Comments/Special Instructions

Homogenize samples thoroughly.

Reviewed/Date

Reviewed/Date

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 5, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project 0146970060
Laboratory Reference No. 1511-018

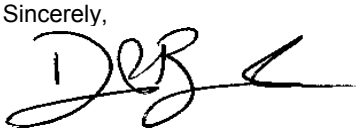
Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on November 3, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,



David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 5, 2015
Samples Submitted: November 3, 2015
Laboratory Reference: 1511-018
Project: 0146970060

Case Narrative

Samples were collected on November 3, 2015 and received by the laboratory on November 3, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The sample chromatograms are similar to mineral spirits with diesel.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 5, 2015
Samples Submitted: November 3, 2015
Laboratory Reference: 1511-018
Project: 0146970060

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-R13-3-110315**					
Laboratory ID:	11-018-01					
Benzene	**ND**	0.020	EPA 8021B	11-4-15	11-5-15	
Toluene	**ND**	0.057	EPA 8021B	11-4-15	11-5-15	
Ethyl Benzene	**ND**	0.057	EPA 8021B	11-4-15	11-5-15	
m,p-Xylene	**0.13**	0.057	EPA 8021B	11-4-15	11-5-15	
o-Xylene	**ND**	0.057	EPA 8021B	11-4-15	11-5-15	
Gasoline	**100**	5.7	NWTPH-Gx	11-4-15	11-5-15	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*88*	*68-129*				
Client ID:	**KM-STP02-110315**					
Laboratory ID:	11-018-02					
Benzene	**ND**	0.020	EPA 8021B	11-4-15	11-4-15	
Toluene	**ND**	0.060	EPA 8021B	11-4-15	11-4-15	
Ethyl Benzene	**ND**	0.060	EPA 8021B	11-4-15	11-4-15	
m,p-Xylene	**ND**	0.060	EPA 8021B	11-4-15	11-4-15	
o-Xylene	**ND**	0.060	EPA 8021B	11-4-15	11-4-15	
Gasoline	**21**	6.0	NWTPH-Gx	11-4-15	11-4-15	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*68-129*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 5, 2015
Samples Submitted: November 3, 2015
Laboratory Reference: 1511-018
Project: 0146970060

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1104S1					
Benzene	**ND**	0.020	EPA 8021B	11-4-15	11-4-15	
Toluene	**ND**	0.050	EPA 8021B	11-4-15	11-4-15	
Ethyl Benzene	**ND**	0.050	EPA 8021B	11-4-15	11-4-15	
m,p-Xylene	**ND**	0.050	EPA 8021B	11-4-15	11-4-15	
o-Xylene	**ND**	0.050	EPA 8021B	11-4-15	11-4-15	
Gasoline	**ND**	5.0	NWTPH-Gx	11-4-15	11-4-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*68-129*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-020-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*93*	*94*	*68-129*			
SPIKE BLANKS											
Laboratory ID:	SB1104S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.926**	**0.982**	1.00	1.00		**93**	**98**	76-124	6	17	
Toluene	**0.975**	**1.08**	1.00	1.00		**98**	**108**	78-124	10	16	
Ethyl Benzene	**0.990**	**1.03**	1.00	1.00		**99**	**103**	77-123	4	17	
m,p-Xylene	**0.998**	**1.07**	1.00	1.00		**100**	**107**	78-124	7	17	
o-Xylene	**0.998**	**1.03**	1.00	1.00		**100**	**103**	76-123	3	18	
Surrogate:											
Fluorobenzene						*95*	*95*	*68-129*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 5, 2015
Samples Submitted: November 3, 2015
Laboratory Reference: 1511-018
Project: 0146970060

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-STP02-110315**					
Laboratory ID:	11-018-02					
Diesel Range Organics	**110**	28	NWTPH-Dx	11-4-15	11-4-15	M,N
Lube Oil	**690**	55	NWTPH-Dx	11-4-15	11-4-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*93*	*50-150*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 5, 2015
Samples Submitted: November 3, 2015
Laboratory Reference: 1511-018
Project: 0146970060

NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1104S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	11-4-15	11-4-15	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	11-4-15	11-4-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*72*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	10-258-06									
	ORIG	DUP								
Diesel Range	**ND**	**ND**	NA	NA		NA	NA	NA	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA	NA	NA	NA	
Surrogate:										
o-Terphenyl						*84* *60*	*50-150*			
SPIKE BLANK										
Laboratory ID:	SB1104S1									
Diesel Fuel #2	**102**		100		NA	**102**	61-130	NA	NA	
Surrogate:										
o-Terphenyl						*108*	*50-150*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 5, 2015
Samples Submitted: November 3, 2015
Laboratory Reference: 1511-018
Project: 0146970060

% MOISTURE

Date Analyzed: 11-4-15

Client ID	Lab ID	% Moisture
KM-R13-3-110315	11-018-01	8
KM-STP02-110315	11-018-02	9

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z - The sample chromatogram is similar to mineral spirits with diesel.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 11-018

Company: AMEC FOSTER WHEELER
Project Number: 01469700060
Project Name: Kelly Moore
Project Manager: Tasya Gray.
Sampled by: Sheideh Behrouzi.

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	1 day TA	% Moisture
1	KM-R13-3-110315	11/03/15	1400	soil	3		X																X
2	KM-STP02-110315	11/03/15	1330	soil	3		X		X													X	X
3	Trip Blanks	-	-	water	4																		

	Signature	Company	Date	Time
Relinquished	S Behrouzi	AMEC FW	11/3/15	1430
Received	Cameron Davis	Thunder dog	11/3/15	1430
Relinquished				
Received			11/3/15	1505
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Homogenize samples thoroughly
(X) 1 day TA
11/4/15

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 6, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project 16110
Laboratory Reference No. 1502-247

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on February 27, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 6, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-247
Project: 16110

Case Narrative

Samples were collected on February 26, 2015 and received by the laboratory on February 27, 2015. They were maintained at the laboratory at a temperature of 2^{o}C to 6^{o}C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

cPAHs EPA 8270D/SIM Analysis

Sample KM-32-SW-1.5 had one surrogate recovery out of control limits. This is within allowance of our standard operating procedure as long as the recovery is above 10%.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 6, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-247
Project: 16110

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-32-NW-1.5**					
Laboratory ID:	02-247-01					
Benzo[a]anthracene	**0.84**	0.16	EPA 8270D/SIM	3-4-15	3-5-15	
Chrysene	**1.3**	0.16	EPA 8270D/SIM	3-4-15	3-5-15	
Benzo[b]fluoranthene	**1.6**	0.16	EPA 8270D/SIM	3-4-15	3-5-15	
Benzo(j,k)fluoranthene	**0.96**	0.16	EPA 8270D/SIM	3-4-15	3-5-15	
Benzo[a]pyrene	**1.2**	0.16	EPA 8270D/SIM	3-4-15	3-5-15	
Indeno(1,2,3-c,d)pyrene	**0.87**	0.16	EPA 8270D/SIM	3-4-15	3-5-15	
Dibenz[a,h]anthracene	**0.46**	0.16	EPA 8270D/SIM	3-4-15	3-5-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***63***	***32 - 114***				
Pyrene-d10	***65***	***33 - 121***				
Terphenyl-d14	***94***	***31 - 116***				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 6, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-247
Project: 16110

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-32-SW-1.5**					
Laboratory ID:	02-247-02					
Benzo[a]anthracene	**1.6**	0.38	EPA 8270D/SIM	3-4-15	3-5-15	
Chrysene	**2.1**	0.38	EPA 8270D/SIM	3-4-15	3-5-15	
Benzo[b]fluoranthene	**2.8**	0.38	EPA 8270D/SIM	3-4-15	3-5-15	
Benzo(j,k)fluoranthene	**1.7**	0.38	EPA 8270D/SIM	3-4-15	3-5-15	
Benzo[a]pyrene	**2.0**	0.38	EPA 8270D/SIM	3-4-15	3-5-15	
Indeno(1,2,3-c,d)pyrene	**1.3**	0.38	EPA 8270D/SIM	3-4-15	3-5-15	
Dibenz[a,h]anthracene	**0.68**	0.38	EPA 8270D/SIM	3-4-15	3-5-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***64***	***32 - 114***				
Pyrene-d10	***76***	***33 - 121***				
Terphenyl-d14	***174***	***31 - 116***				Q

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Date of Report: March 6, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-247
Project: 16110

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-32-EW-1.5**					
Laboratory ID:	02-247-03					
Benzo[a]anthracene	**2.8**	0.16	EPA 8270D/SIM	3-4-15	3-5-15	
Chrysene	**3.9**	0.16	EPA 8270D/SIM	3-4-15	3-5-15	
Benzo[b]fluoranthene	**6.0**	0.16	EPA 8270D/SIM	3-4-15	3-5-15	
Benzo(j,k)fluoranthene	**2.6**	0.16	EPA 8270D/SIM	3-4-15	3-5-15	
Benzo[a]pyrene	**3.7**	0.16	EPA 8270D/SIM	3-4-15	3-5-15	
Indeno(1,2,3-c,d)pyrene	**2.8**	0.16	EPA 8270D/SIM	3-4-15	3-5-15	
Dibenz[a,h]anthracene	**1.6**	0.16	EPA 8270D/SIM	3-4-15	3-5-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***82***	***32 - 114***				
Pyrene-d10	***80***	***33 - 121***				
Terphenyl-d14	***109***	***31 - 116***				

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Date of Report: March 6, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-247
Project: 16110

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-32-WW-1.5**					
Laboratory ID:	02-247-04					
Benzo[a]anthracene	**3.8**	0.15	EPA 8270D/SIM	3-4-15	3-5-15	
Chrysene	**7.9**	0.15	EPA 8270D/SIM	3-4-15	3-5-15	
Benzo[b]fluoranthene	**10**	0.15	EPA 8270D/SIM	3-4-15	3-5-15	
Benzo(j,k)fluoranthene	**3.5**	0.15	EPA 8270D/SIM	3-4-15	3-5-15	
Benzo[a]pyrene	**3.3**	0.15	EPA 8270D/SIM	3-4-15	3-5-15	
Indeno(1,2,3-c,d)pyrene	**3.2**	0.15	EPA 8270D/SIM	3-4-15	3-5-15	
Dibenz[a,h]anthracene	**1.7**	0.15	EPA 8270D/SIM	3-4-15	3-5-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***66***	***32 - 114***				
Pyrene-d10	***69***	***33 - 121***				
Terphenyl-d14	***101***	***31 - 116***				

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Date of Report: March 6, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-247
Project: 16110

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-32-Bot-2.5**					
Laboratory ID:	02-247-05					
Benzo[a]anthracene	**1.7**	0.39	EPA 8270D/SIM	3-4-15	3-5-15	
Chrysene	**2.1**	0.39	EPA 8270D/SIM	3-4-15	3-5-15	
Benzo[b]fluoranthene	**2.5**	0.39	EPA 8270D/SIM	3-4-15	3-5-15	
Benzo(j,k)fluoranthene	**1.4**	0.39	EPA 8270D/SIM	3-4-15	3-5-15	
Benzo[a]pyrene	**1.9**	0.39	EPA 8270D/SIM	3-4-15	3-5-15	
Indeno(1,2,3-c,d)pyrene	**1.2**	0.39	EPA 8270D/SIM	3-4-15	3-5-15	
Dibenz[a,h]anthracene	**0.59**	0.39	EPA 8270D/SIM	3-4-15	3-5-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***61***	***32 - 114***				
Pyrene-d10	***75***	***33 - 121***				
Terphenyl-d14	***111***	***31 - 116***				

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Date of Report: March 6, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-247
Project: 16110

cPAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0304S1					
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	3-4-15	3-5-15	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	3-4-15	3-5-15	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	3-4-15	3-5-15	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	3-4-15	3-5-15	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	3-4-15	3-5-15	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270D/SIM	3-4-15	3-5-15	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	3-4-15	3-5-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***101***	***32 - 114***				
Pyrene-d10	***85***	***33 - 121***				
Terphenyl-d14	***81***	***31 - 116***				

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Date of Report: March 6, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-247
Project: 16110

cPAHs EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	02-255-06										
	MS	MSD	MS	MSD		MS	MSD				
Benzo[a]anthracene	**0.0443**	**0.0497**	0.0833	0.0833	ND	53	60	42 - 134	11	27	
Chrysene	**0.0746**	**0.0809**	0.0833	0.0833	ND	90	97	45 - 114	8	27	
Benzo[b]fluoranthene	**0.0506**	**0.0514**	0.0833	0.0833	ND	61	62	38 - 131	2	33	
Benzo(j,k)fluoranthene	**0.0549**	**0.0679**	0.0833	0.0833	ND	66	82	44 - 114	21	34	
Benzo[a]pyrene	**0.0636**	**0.0704**	0.0833	0.0833	ND	76	85	40 - 136	10	29	
Indeno(1,2,3-c,d)pyrene	**0.0612**	**0.0693**	0.0833	0.0833	ND	73	83	45 - 126	12	30	
Dibenz[a,h]anthracene	**0.0624**	**0.0703**	0.0833	0.0833	ND	75	84	46 - 121	12	28	
Surrogate:											
2-Fluorobiphenyl						***74***	***85***	***32 - 114***			
Pyrene-d10						***69***	***77***	***33 - 121***			
Terphenyl-d14						***68***	***76***	***31 - 116***			

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Date of Report: March 6, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-247
Project: 16110

% MOISTURE

Date Analyzed: 3-4-15

Client ID	Lab ID	% Moisture
KM-32-NW-1.5	02-247-01	16
KM-32-SW-1.5	02-247-02	13
KM-32-EW-1.5	02-247-03	15
KM-32-WW-1.5	02-247-04	10
KM-32-Bot-2.5	02-247-05	14

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Amec
Project Number: 16110
Project Name: New Core Dev. Soil ex.
Project Manager: Tasya Gray
Sampled by: Nathan Moxley

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Days
- ☐ 3 Days
- ☒ Standard (7 Days) (TPH analysis 5 Days)
- ☐ _____ (other)

Laboratory Number: 02-247

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	cPAHs						% Moisture
1	KM-32-NW-1.5	2/26/15	0920	Soil	1																	X						10
2	KM-32-SW-1.5		0924																									
3	KM-32-EW-1.5		0928																									
4	KM-32-WW-1.5		0932																									
5	KM-32-Bot-2.5		0940																									

	Signature	Company	Date	Time
Relinquished		AMEC	2/26/15	2030
Received		GPRS	2/27/15	845
Relinquished		GPRS	2/27/15	1034
Received		OSE	2/27/15	1034
Relinquished				
Received				

Comments/Special Instructions

Reviewed/Date

Reviewed/Date

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 6, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 1502-248

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on February 27, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 6, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-248
Project: 14697

Case Narrative

Samples were collected on February 26, 2015 and received by the laboratory on February 27, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The chromatograms for samples KM-19-NW-4.5, KM-19-EW-5.0, KM-19-Bot-7.0, KM-30-Bot-5.5, KM-30-SW-5.0, KM-30-WW-4.0, KM-30-NW-4.0 and KM-30-EW-4.0 are similar to mineral spirits.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

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Date of Report: March 6, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-248
Project: 14697

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-19-NW-4.5**					
Laboratory ID:	02-248-01					
Benzene	**ND**	0.020	EPA 8021B	2-27-15	3-2-15	
Toluene	**ND**	0.039	EPA 8021B	2-27-15	3-2-15	
Ethyl Benzene	**ND**	0.039	EPA 8021B	2-27-15	3-2-15	
m,p-Xylene	**0.10**	0.039	EPA 8021B	2-27-15	3-2-15	
o-Xylene	**ND**	0.039	EPA 8021B	2-27-15	3-2-15	
Gasoline	**56**	3.9	NWTPH-Gx	2-27-15	3-4-15	Z
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***86***	***68-123***				
Client ID:	**KM-19-SW-4.5**					
Laboratory ID:	02-248-02					
Benzene	**ND**	0.020	EPA 8021B	2-27-15	3-2-15	
Toluene	**ND**	0.040	EPA 8021B	2-27-15	3-2-15	
Ethyl Benzene	**ND**	0.040	EPA 8021B	2-27-15	3-2-15	
m,p-Xylene	**0.059**	0.040	EPA 8021B	2-27-15	3-2-15	
o-Xylene	**ND**	0.040	EPA 8021B	2-27-15	3-2-15	
Gasoline	**ND**	4.0	NWTPH-Gx	2-27-15	3-2-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***86***	***68-123***				
Client ID:	**KM-19-EW-5.0**					
Laboratory ID:	02-248-03					
Benzene	**ND**	0.020	EPA 8021B	2-27-15	3-2-15	
Toluene	**ND**	0.045	EPA 8021B	2-27-15	3-2-15	
Ethyl Benzene	**ND**	0.045	EPA 8021B	2-27-15	3-2-15	
m,p-Xylene	**0.080**	0.045	EPA 8021B	2-27-15	3-2-15	
o-Xylene	**ND**	0.045	EPA 8021B	2-27-15	3-2-15	
Gasoline	**36**	4.5	NWTPH-Gx	2-27-15	3-2-15	Z
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***108***	***68-123***				

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Date of Report: March 6, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-248
Project: 14697

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-19-WW-5.0**					
Laboratory ID:	02-248-04					
Benzene	**ND**	0.020	EPA 8021B	2-27-15	3-2-15	
Toluene	**ND**	0.054	EPA 8021B	2-27-15	3-2-15	
Ethyl Benzene	**ND**	0.054	EPA 8021B	2-27-15	3-2-15	
m,p-Xylene	**ND**	0.054	EPA 8021B	2-27-15	3-2-15	
o-Xylene	**ND**	0.054	EPA 8021B	2-27-15	3-2-15	
Gasoline	**ND**	5.4	NWTPH-Gx	2-27-15	3-2-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***86***	***68-123***				
Client ID:	**KM-19-Bot-7.0**					
Laboratory ID:	02-248-05					
Benzene	**ND**	0.020	EPA 8021B	2-27-15	3-2-15	
Toluene	**ND**	0.10	EPA 8021B	2-27-15	3-2-15	
Ethyl Benzene	**ND**	0.10	EPA 8021B	2-27-15	3-2-15	
m,p-Xylene	**0.44**	0.10	EPA 8021B	2-27-15	3-2-15	
o-Xylene	**ND**	0.10	EPA 8021B	2-27-15	3-2-15	
Gasoline	**420**	51	NWTPH-Gx	2-27-15	3-4-15	Z
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***88***	***68-123***				
Client ID:	**KM-30-Bot-5.5**					
Laboratory ID:	02-248-10					
Benzene	**0.16**	0.023	EPA 8021B	2-27-15	3-2-15	
Toluene	**ND**	0.12	EPA 8021B	2-27-15	3-2-15	
Ethyl Benzene	**0.91**	0.12	EPA 8021B	2-27-15	3-2-15	
m,p-Xylene	**7.4**	0.12	EPA 8021B	2-27-15	3-2-15	
o-Xylene	**ND**	1.2	EPA 8021B	2-27-15	3-2-15	U1
Gasoline	**2400**	580	NWTPH-Gx	2-27-15	3-4-15	Z
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***81***	***68-123***				

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Date of Report: March 6, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-248
Project: 14697

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-SW-5.0**					
Laboratory ID:	02-248-11					
Benzene	**0.13**	0.022	EPA 8021B	2-27-15	3-2-15	
Toluene	**ND**	0.11	EPA 8021B	2-27-15	3-2-15	
Ethyl Benzene	**0.93**	0.11	EPA 8021B	2-27-15	3-2-15	
m,p-Xylene	**8.4**	0.11	EPA 8021B	2-27-15	3-2-15	
o-Xylene	**ND**	1.1	EPA 8021B	2-27-15	3-2-15	U1
Gasoline	**2500**	560	NWTPH-Gx	2-27-15	3-4-15	Z
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***79***	***68-123***				
Client ID:	**KM-30-WW-4.0**					
Laboratory ID:	02-248-12					
Benzene	**0.18**	0.024	EPA 8021B	2-27-15	3-2-15	
Toluene	**ND**	0.12	EPA 8021B	2-27-15	3-2-15	
Ethyl Benzene	**1.0**	0.12	EPA 8021B	2-27-15	3-2-15	
m,p-Xylene	**8.5**	0.12	EPA 8021B	2-27-15	3-2-15	
o-Xylene	**ND**	1.2	EPA 8021B	2-27-15	3-2-15	U1
Gasoline	**2600**	600	NWTPH-Gx	2-27-15	3-4-15	Z
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***81***	***68-123***				
Client ID:	**KM-30-NW-4.0**					
Laboratory ID:	02-248-13					
Benzene	**ND**	0.020	EPA 8021B	2-27-15	3-2-15	
Toluene	**ND**	0.051	EPA 8021B	2-27-15	3-2-15	
Ethyl Benzene	**ND**	0.051	EPA 8021B	2-27-15	3-2-15	
m,p-Xylene	**0.19**	0.051	EPA 8021B	2-27-15	3-2-15	
o-Xylene	**ND**	0.051	EPA 8021B	2-27-15	3-2-15	
Gasoline	**100**	5.1	NWTPH-Gx	2-27-15	3-2-15	Z
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***90***	***68-123***				

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Date of Report: March 6, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-248
Project: 14697

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-EW-4.0**					
Laboratory ID:	02-248-14					
Benzene	**0.17**	0.021	EPA 8021B	2-27-15	3-2-15	
Toluene	**ND**	0.10	EPA 8021B	2-27-15	3-2-15	
Ethyl Benzene	**1.3**	0.10	EPA 8021B	2-27-15	3-2-15	
m,p-Xylene	**9.8**	0.10	EPA 8021B	2-27-15	3-2-15	
o-Xylene	**ND**	2.0	EPA 8021B	2-27-15	3-2-15	U1
Gasoline	**3500**	520	NWTPH-Gx	2-27-15	3-4-15	Z
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***81***	***68-123***				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 6, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-248
Project: 14697

NWTPH-Gx/BTEX
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0227S1					
Benzene	**ND**	0.020	EPA 8021B	2-27-15	2-27-15	
Toluene	**ND**	0.050	EPA 8021B	2-27-15	2-27-15	
Ethyl Benzene	**ND**	0.050	EPA 8021B	2-27-15	2-27-15	
m,p-Xylene	**ND**	0.050	EPA 8021B	2-27-15	2-27-15	
o-Xylene	**ND**	0.050	EPA 8021B	2-27-15	2-27-15	
Gasoline	**ND**	5.0	NWTPH-Gx	2-27-15	2-27-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***87***	***68-123***				
Laboratory ID:	MB0227S2					
Benzene	**ND**	0.020	EPA 8021B	2-27-15	2-27-15	
Toluene	**ND**	0.050	EPA 8021B	2-27-15	2-27-15	
Ethyl Benzene	**ND**	0.050	EPA 8021B	2-27-15	2-27-15	
m,p-Xylene	**ND**	0.050	EPA 8021B	2-27-15	2-27-15	
o-Xylene	**ND**	0.050	EPA 8021B	2-27-15	2-27-15	
Gasoline	**ND**	5.0	NWTPH-Gx	2-27-15	2-27-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***91***	***68-123***				

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Date of Report: March 6, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-248
Project: 14697

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-243-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						***91***	***95***	***68-123***			
Laboratory ID:	02-248-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**0.0910**	**0.0874**	NA	NA		NA		NA	4	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**49.7**	**39.4**	NA	NA		NA		NA	23	30	
Surrogate:											
Fluorobenzene						***86***	***76***	***68-123***			
SPIKE BLANKS											
Laboratory ID:	SB0227S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.871**	**0.909**	1.00	1.00		**87**	**91**	75-117	4	13	
Toluene	**0.885**	**0.920**	1.00	1.00		**89**	**92**	78-118	4	12	
Ethyl Benzene	**0.858**	**0.899**	1.00	1.00		**86**	**90**	78-118	5	12	
m,p-Xylene	**0.870**	**0.908**	1.00	1.00		**87**	**91**	78-121	4	13	
o-Xylene	**0.855**	**0.883**	1.00	1.00		**86**	**88**	77-119	3	13	
Surrogate:											
Fluorobenzene						***87***	***90***	***68-123***			

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 6, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-248
Project: 14697

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-Bot-5.5**					
Laboratory ID:	02-248-10					
Benzo[a]anthracene	**0.30**	0.0086	EPA 8270D/SIM	3-4-15	3-5-15	
Chrysene	**0.30**	0.0086	EPA 8270D/SIM	3-4-15	3-5-15	
Benzo[b]fluoranthene	**0.22**	0.0086	EPA 8270D/SIM	3-4-15	3-5-15	
Benzo(j,k)fluoranthene	**0.15**	0.0086	EPA 8270D/SIM	3-4-15	3-5-15	
Benzo[a]pyrene	**0.25**	0.0086	EPA 8270D/SIM	3-4-15	3-5-15	
Indeno(1,2,3-c,d)pyrene	**0.14**	0.0086	EPA 8270D/SIM	3-4-15	3-5-15	
Dibenz[a,h]anthracene	**0.057**	0.0086	EPA 8270D/SIM	3-4-15	3-5-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***67***	***32 - 114***				
Pyrene-d10	***70***	***33 - 121***				
Terphenyl-d14	***68***	***31 - 116***				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 6, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-248
Project: 14697

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-SW-5.0**					
Laboratory ID:	02-248-11					
Benzo[a]anthracene	**0.62**	0.0087	EPA 8270D/SIM	3-4-15	3-4-15	
Chrysene	**0.66**	0.0087	EPA 8270D/SIM	3-4-15	3-4-15	
Benzo[b]fluoranthene	**0.34**	0.0087	EPA 8270D/SIM	3-4-15	3-4-15	
Benzo(j,k)fluoranthene	**0.37**	0.0087	EPA 8270D/SIM	3-4-15	3-4-15	
Benzo[a]pyrene	**0.55**	0.0087	EPA 8270D/SIM	3-4-15	3-4-15	
Indeno(1,2,3-c,d)pyrene	**0.26**	0.0087	EPA 8270D/SIM	3-4-15	3-4-15	
Dibenz[a,h]anthracene	**0.14**	0.0087	EPA 8270D/SIM	3-4-15	3-4-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***74***	***32 - 114***				
Pyrene-d10	***82***	***33 - 121***				
Terphenyl-d14	***93***	***31 - 116***				

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Date of Report: March 6, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-248
Project: 14697

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-WW-4.0**					
Laboratory ID:	02-248-12					
Benzo[a]anthracene	**0.78**	0.0089	EPA 8270D/SIM	3-4-15	3-4-15	
Chrysene	**0.79**	0.0089	EPA 8270D/SIM	3-4-15	3-4-15	
Benzo[b]fluoranthene	**0.54**	0.0089	EPA 8270D/SIM	3-4-15	3-4-15	
Benzo(j,k)fluoranthene	**0.37**	0.0089	EPA 8270D/SIM	3-4-15	3-4-15	
Benzo[a]pyrene	**0.69**	0.0089	EPA 8270D/SIM	3-4-15	3-4-15	
Indeno(1,2,3-c,d)pyrene	**0.33**	0.0089	EPA 8270D/SIM	3-4-15	3-4-15	
Dibenz[a,h]anthracene	**0.17**	0.0089	EPA 8270D/SIM	3-4-15	3-4-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***73***	***32 - 114***				
Pyrene-d10	***68***	***33 - 121***				
Terphenyl-d14	***71***	***31 - 116***				

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Date of Report: March 6, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-248
Project: 14697

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-NW-4.0**					
Laboratory ID:	02-248-13					
Benzo[a]anthracene	**ND**	0.0081	EPA 8270D/SIM	3-4-15	3-4-15	
Chrysene	**ND**	0.0081	EPA 8270D/SIM	3-4-15	3-4-15	
Benzo[b]fluoranthene	**ND**	0.0081	EPA 8270D/SIM	3-4-15	3-4-15	
Benzo(j,k)fluoranthene	**ND**	0.0081	EPA 8270D/SIM	3-4-15	3-4-15	
Benzo[a]pyrene	**ND**	0.0081	EPA 8270D/SIM	3-4-15	3-4-15	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0081	EPA 8270D/SIM	3-4-15	3-4-15	
Dibenz[a,h]anthracene	**ND**	0.0081	EPA 8270D/SIM	3-4-15	3-4-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***75***	***32 - 114***				
Pyrene-d10	***69***	***33 - 121***				
Terphenyl-d14	***64***	***31 - 116***				

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Date of Report: March 6, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-248
Project: 14697

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-EW-4.0**					
Laboratory ID:	02-248-14					
Benzo[a]anthracene	**0.32**	0.0083	EPA 8270D/SIM	3-4-15	3-4-15	
Chrysene	**0.35**	0.0083	EPA 8270D/SIM	3-4-15	3-4-15	
Benzo[b]fluoranthene	**0.24**	0.0083	EPA 8270D/SIM	3-4-15	3-4-15	
Benzo(j,k)fluoranthene	**0.16**	0.0083	EPA 8270D/SIM	3-4-15	3-4-15	
Benzo[a]pyrene	**0.30**	0.0083	EPA 8270D/SIM	3-4-15	3-4-15	
Indeno(1,2,3-c,d)pyrene	**0.15**	0.0083	EPA 8270D/SIM	3-4-15	3-4-15	
Dibenz[a,h]anthracene	**0.082**	0.0083	EPA 8270D/SIM	3-4-15	3-4-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***70***	***32 - 114***				
Pyrene-d10	***75***	***33 - 121***				
Terphenyl-d14	***76***	***31 - 116***				

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Date of Report: March 6, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-248
Project: 14697

cPAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0304S1					
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	3-4-15	3-5-15	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	3-4-15	3-5-15	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	3-4-15	3-5-15	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	3-4-15	3-5-15	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	3-4-15	3-5-15	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270D/SIM	3-4-15	3-5-15	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	3-4-15	3-5-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***101***	***32 - 114***				
Pyrene-d10	***85***	***33 - 121***				
Terphenyl-d14	***81***	***31 - 116***				

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Date of Report: March 6, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-248
Project: 14697

cPAHs EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	02-255-06										
	MS	MSD	MS	MSD		MS	MSD				
Benzo[a]anthracene	**0.0443**	**0.0497**	0.0833	0.0833	ND	53	60	42 - 134	11	27	
Chrysene	**0.0746**	**0.0809**	0.0833	0.0833	ND	90	97	45 - 114	8	27	
Benzo[b]fluoranthene	**0.0506**	**0.0514**	0.0833	0.0833	ND	61	62	38 - 131	2	33	
Benzo(j,k)fluoranthene	**0.0549**	**0.0679**	0.0833	0.0833	ND	66	82	44 - 114	21	34	
Benzo[a]pyrene	**0.0636**	**0.0704**	0.0833	0.0833	ND	76	85	40 - 136	10	29	
Indeno(1,2,3-c,d)pyrene	**0.0612**	**0.0693**	0.0833	0.0833	ND	73	83	45 - 126	12	30	
Dibenz[a,h]anthracene	**0.0624**	**0.0703**	0.0833	0.0833	ND	75	84	46 - 121	12	28	
Surrogate:											
2-Fluorobiphenyl						***74***	***85***	***32 - 114***			
Pyrene-d10						***69***	***77***	***33 - 121***			
Terphenyl-d14						***68***	***76***	***31 - 116***			

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Date of Report: March 6, 2015
Samples Submitted: February 27, 2015
Laboratory Reference: 1502-248
Project: 14697

% MOISTURE

Date Analyzed: 3-2-15

Client ID	Lab ID	% Moisture
KM-19-NW-4.5	02-248-01	11
KM-19-SW-4.5	02-248-02	11
KM-19-EW-5.0	02-248-03	26
KM-19-WW-5.0	02-248-04	24
KM-19-Bot-7.0	02-248-05	27
KM-30-Bot-5.5	02-248-10	22
KM-30-SW-5.0	02-248-11	23
KM-30-WW-4.0	02-248-12	25
KM-30-NW-4.0	02-248-13	17
KM-30-EW-4.0	02-248-14	19

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z - The sample chromatogram is similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Amec
Project Number: 14697
Project Name: Kelly-Moore Soil Excavations
Project Manager: Tasya Gray
Sampled by: Nathan Moxley

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 02-248

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx /BTEX	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	cPAHs	Archive				% Moisture
1	KM-19-NW-4.5	2/26/15	0830	Soil	2			X																			X
2	KM-19-SW-4.5		0825					X																			
3	KM-19-EW-5.0		0820					X																			
4	KM-19-WW-5.0		0810					X																			
5	KM-19-Bot-7.0		0815					X																			
6	KM-30-NW-2.5		1149																				X				
7	KM-30-SW-3.0		1125																				X				
8	KM-30-EW-3.0		1205																				X				
9	KM-30-WW-3.0		1138																				X				
10	KM-30-Bot-5.5		1135					X														X					X

	Signature	Company	Date	Time
Relinquished		Amec	2/26/15	2030
Received		GPRS	2/27/15	0614
Relinquished		GPRS	2/27/15	10:34
Received		OSE	2/27/15	1034
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Amec
Project Number: 14697
Project Name: Kelly-Moore soil excavations
Project Manager: Tasya Gray
Sampled by: Nathan Moxley

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 02-248

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	cPAHs					% Moisture
11	KM-30-SW-5.0	2/26/15	1129	Soil	2			X														X					X
12	KM-30-WW-4.0	↓	1145	↓	↓			X														X					↓
13	KM-30-NW-4.0		1156					X														X					
14	KM-30-EW-4.0		1210					X														X					

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		Amec	2/26/15	2030	
Received		GPreddy	2/27/15	8441	
Relinquished		GPreddy	2/27/15	1034	
Received			2/27/15	1034	
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 17, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 1503-052

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 6, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 17, 2015
Samples Submitted: March 6, 2015
Laboratory Reference: 1503-052
Project: 14697

Case Narrative

Samples were collected on March 5, 2015 and received by the laboratory on March 6, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The chromatograms for samples KM-39-B1-4.5, KM-39-EW-3.5, KM-39-WW-3.5 and KM-39-SW-3.5 are similar to mineral spirits.

cPAHs EPA 8270D/SIM Analysis

Due to the matrix of samples KM-39-B1-4.5 and KM-39-WW-3.5, the last two internal standards Chrysene-d12 and Perylene-d12 were recovered outside of method specified QC limits. The samples were reanalyzed at different dilutions with similar results. All results, including Practical Quantitation Limits, from Benzo[a]anthracene onward should be considered estimates.

Due to the matrix of sample KM-39-EW-3.5 the last internal standard Perylene-d12 was recovered outside of method specified QC limits. The samples were reanalyzed at different dilutions with similar results. All results, including Practical Quantitation Limits, from Benzo[b]fluoranthene onward should be considered estimates.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

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Date of Report: March 17, 2015
Samples Submitted: March 6, 2015
Laboratory Reference: 1503-052
Project: 14697

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-39-B1-4.5**					
Laboratory ID:	03-052-01					
Benzene	**0.048**	0.024	EPA 8021B	3-9-15	3-10-15	
Toluene	**ND**	0.12	EPA 8021B	3-9-15	3-10-15	
Ethyl Benzene	**0.30**	0.12	EPA 8021B	3-9-15	3-10-15	
m,p-Xylene	**2.5**	0.12	EPA 8021B	3-9-15	3-10-15	
o-Xylene	**ND**	0.60	EPA 8021B	3-9-15	3-10-15	U1
Gasoline	**1600**	120	NWTPH-Gx	3-9-15	3-9-15	Z
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***85***	***68-123***				
Client ID:	**KM-39-EW-3.5**					
Laboratory ID:	03-052-02					
Benzene	**0.48**	0.020	EPA 8021B	3-9-15	3-10-15	
Toluene	**0.19**	0.082	EPA 8021B	3-9-15	3-10-15	
Ethyl Benzene	**13**	1.6	EPA 8021B	3-9-15	3-11-15	
m,p-Xylene	**24**	1.6	EPA 8021B	3-9-15	3-11-15	
o-Xylene	**3.9**	0.082	EPA 8021B	3-9-15	3-10-15	
Gasoline	**1200**	160	NWTPH-Gx	3-9-15	3-11-15	Z
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***85***	***68-123***				
Client ID:	**KM-39-NW-3.5**					
Laboratory ID:	03-052-03					
Benzene	**ND**	0.020	EPA 8021B	3-9-15	3-9-15	
Toluene	**ND**	0.072	EPA 8021B	3-9-15	3-9-15	
Ethyl Benzene	**ND**	0.072	EPA 8021B	3-9-15	3-9-15	
m,p-Xylene	**ND**	0.072	EPA 8021B	3-9-15	3-9-15	
o-Xylene	**ND**	0.072	EPA 8021B	3-9-15	3-9-15	
Gasoline	**ND**	7.2	NWTPH-Gx	3-9-15	3-9-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***100***	***68-123***				

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Samples Submitted: March 6, 2015
Laboratory Reference: 1503-052
Project: 14697

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-39-WW-3.5**					
Laboratory ID:	03-052-04					
Benzene	**0.24**	0.046	EPA 8021B	3-9-15	3-9-15	
Toluene	**ND**	0.23	EPA 8021B	3-9-15	3-9-15	
Ethyl Benzene	**0.64**	0.23	EPA 8021B	3-9-15	3-9-15	
m,p-Xylene	**5.9**	0.23	EPA 8021B	3-9-15	3-9-15	
o-Xylene	**ND**	1.2	EPA 8021B	3-9-15	3-9-15	U1
Gasoline	**3100**	230	NWTPH-Gx	3-9-15	3-10-15	Z
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***88***	***68-123***				
Client ID:	**KM-39-SW-3.5**					
Laboratory ID:	03-052-05					
Benzene	**ND**	0.020	EPA 8021B	3-9-15	3-9-15	
Toluene	**ND**	0.088	EPA 8021B	3-9-15	3-9-15	
Ethyl Benzene	**ND**	0.088	EPA 8021B	3-9-15	3-9-15	
m,p-Xylene	**0.33**	0.088	EPA 8021B	3-9-15	3-9-15	
o-Xylene	**ND**	0.088	EPA 8021B	3-9-15	3-9-15	
Gasoline	**170**	22	NWTPH-Gx	3-9-15	3-11-15	Z
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***93***	***68-123***				

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Date of Report: March 17, 2015
Samples Submitted: March 6, 2015
Laboratory Reference: 1503-052
Project: 14697

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0309S2					
Benzene	**ND**	0.020	EPA 8021B	3-9-15	3-9-15	
Toluene	**ND**	0.050	EPA 8021B	3-9-15	3-9-15	
Ethyl Benzene	**ND**	0.050	EPA 8021B	3-9-15	3-9-15	
m,p-Xylene	**ND**	0.050	EPA 8021B	3-9-15	3-9-15	
o-Xylene	**ND**	0.050	EPA 8021B	3-9-15	3-9-15	
Gasoline	**ND**	5.0	NWTPH-Gx	3-9-15	3-9-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***90***	***68-123***				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-040-02										
	ORIG	DUP									
Benzene	**0.256**	**0.266**	NA	NA		NA		NA	4	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**0.179**	**0.189**	NA	NA		NA		NA	5	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						***91***	***95***	***68-123***			
SPIKE BLANKS											
Laboratory ID:	SB0309S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.927**	**0.969**	1.00	1.00		**93**	**97**	75-117	4	13	
Toluene	**0.934**	**0.977**	1.00	1.00		**93**	**98**	78-118	5	12	
Ethyl Benzene	**0.907**	**0.964**	1.00	1.00		**91**	**96**	78-118	6	12	
m,p-Xylene	**0.908**	**0.964**	1.00	1.00		**91**	**96**	78-121	6	13	
o-Xylene	**0.887**	**0.931**	1.00	1.00		**89**	**93**	77-119	5	13	
Surrogate:											
Fluorobenzene						***91***	***95***	***68-123***			

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Date of Report: March 17, 2015
Samples Submitted: March 6, 2015
Laboratory Reference: 1503-052
Project: 14697

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-39-B1-4.5**					
Laboratory ID:	03-052-01					
Benzo[a]anthracene	**0.15**	0.036	EPA 8270D/SIM	3-12-15	3-16-15	
Chrysene	**0.18**	0.036	EPA 8270D/SIM	3-12-15	3-16-15	
Benzo[b]fluoranthene	**0.14**	0.036	EPA 8270D/SIM	3-12-15	3-16-15	
Benzo(j,k)fluoranthene	**0.051**	0.036	EPA 8270D/SIM	3-12-15	3-16-15	
Benzo[a]pyrene	**0.12**	0.036	EPA 8270D/SIM	3-12-15	3-16-15	
Indeno(1,2,3-c,d)pyrene	**0.075**	0.036	EPA 8270D/SIM	3-12-15	3-16-15	
Dibenz[a,h]anthracene	**ND**	0.036	EPA 8270D/SIM	3-12-15	3-16-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***62***	***32 - 114***				
Pyrene-d10	***75***	***33 - 121***				
Terphenyl-d14	***96***	***31 - 116***				

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Date of Report: March 17, 2015
Samples Submitted: March 6, 2015
Laboratory Reference: 1503-052
Project: 14697

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-39-EW-3.5**					
Laboratory ID:	03-052-02					
Benzo[a]anthracene	**3.5**	0.19	EPA 8270D/SIM	3-12-15	3-16-15	
Chrysene	**4.3**	0.19	EPA 8270D/SIM	3-12-15	3-16-15	
Benzo[b]fluoranthene	**5.0**	0.19	EPA 8270D/SIM	3-12-15	3-16-15	
Benzo(j,k)fluoranthene	**1.7**	0.19	EPA 8270D/SIM	3-12-15	3-16-15	
Benzo[a]pyrene	**4.5**	0.19	EPA 8270D/SIM	3-12-15	3-16-15	
Indeno(1,2,3-c,d)pyrene	**2.9**	0.19	EPA 8270D/SIM	3-12-15	3-16-15	
Dibenz[a,h]anthracene	**0.64**	0.19	EPA 8270D/SIM	3-12-15	3-16-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***63***	***32 - 114***				
Pyrene-d10	***75***	***33 - 121***				
Terphenyl-d14	***91***	***31 - 116***				

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Date of Report: March 17, 2015
Samples Submitted: March 6, 2015
Laboratory Reference: 1503-052
Project: 14697

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-39-NW-3.5**					
Laboratory ID:	03-052-03					
Benzo[a]anthracene	**0.10**	0.0093	EPA 8270D/SIM	3-12-15	3-13-15	
Chrysene	**0.12**	0.0093	EPA 8270D/SIM	3-12-15	3-13-15	
Benzo[b]fluoranthene	**0.10**	0.0093	EPA 8270D/SIM	3-12-15	3-13-15	
Benzo(j,k)fluoranthene	**0.035**	0.0093	EPA 8270D/SIM	3-12-15	3-13-15	
Benzo[a]pyrene	**0.088**	0.0093	EPA 8270D/SIM	3-12-15	3-13-15	
Indeno(1,2,3-c,d)pyrene	**0.043**	0.0093	EPA 8270D/SIM	3-12-15	3-13-15	
Dibenz[a,h]anthracene	**0.014**	0.0093	EPA 8270D/SIM	3-12-15	3-13-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***66***	***32 - 114***				
Pyrene-d10	***76***	***33 - 121***				
Terphenyl-d14	***72***	***31 - 116***				

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Date of Report: March 17, 2015
Samples Submitted: March 6, 2015
Laboratory Reference: 1503-052
Project: 14697

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-39-WW-3.5**					
Laboratory ID:	03-052-04					
Benzo[a]anthracene	**0.18**	0.036	EPA 8270D/SIM	3-12-15	3-16-15	
Chrysene	**0.22**	0.036	EPA 8270D/SIM	3-12-15	3-16-15	
Benzo[b]fluoranthene	**0.22**	0.036	EPA 8270D/SIM	3-12-15	3-16-15	
Benzo(j,k)fluoranthene	**0.061**	0.036	EPA 8270D/SIM	3-12-15	3-16-15	
Benzo[a]pyrene	**0.15**	0.036	EPA 8270D/SIM	3-12-15	3-16-15	
Indeno(1,2,3-c,d)pyrene	**0.096**	0.036	EPA 8270D/SIM	3-12-15	3-16-15	
Dibenz[a,h]anthracene	**ND**	0.036	EPA 8270D/SIM	3-12-15	3-16-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***64***	***32 - 114***				
Pyrene-d10	***74***	***33 - 121***				
Terphenyl-d14	***93***	***31 - 116***				

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Date of Report: March 17, 2015
Samples Submitted: March 6, 2015
Laboratory Reference: 1503-052
Project: 14697

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-39-SW-3.5**					
Laboratory ID:	03-052-05					
Benzo[a]anthracene	**0.074**	0.0072	EPA 8270D/SIM	3-12-15	3-13-15	
Chrysene	**0.089**	0.0072	EPA 8270D/SIM	3-12-15	3-13-15	
Benzo[b]fluoranthene	**0.078**	0.0072	EPA 8270D/SIM	3-12-15	3-13-15	
Benzo(j,k)fluoranthene	**0.022**	0.0072	EPA 8270D/SIM	3-12-15	3-13-15	
Benzo[a]pyrene	**0.071**	0.0072	EPA 8270D/SIM	3-12-15	3-13-15	
Indeno(1,2,3-c,d)pyrene	**0.036**	0.0072	EPA 8270D/SIM	3-12-15	3-13-15	
Dibenz[a,h]anthracene	**0.0085**	0.0072	EPA 8270D/SIM	3-12-15	3-13-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***70***	***32 - 114***				
Pyrene-d10	***85***	***33 - 121***				
Terphenyl-d14	***81***	***31 - 116***				

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Samples Submitted: March 6, 2015
Laboratory Reference: 1503-052
Project: 14697

cPAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0312S1					
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	3-12-15	3-12-15	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	3-12-15	3-12-15	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	3-12-15	3-12-15	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	3-12-15	3-12-15	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	3-12-15	3-12-15	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270D/SIM	3-12-15	3-12-15	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	3-12-15	3-12-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
2-Fluorobiphenyl	***90***	***32 - 114***				
Pyrene-d10	***95***	***33 - 121***				
Terphenyl-d14	***95***	***31 - 116***				

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Project: 14697

cPAHs EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0312S1									
	SB	SBD	SB	SBD	SB	SBD				
Benzo[a]anthracene	**0.0981**	**0.0976**	0.0833	0.0833	118	117	60 - 128	1	15	
Chrysene	**0.0762**	**0.0746**	0.0833	0.0833	91	90	60 - 117	2	13	
Benzo[b]fluoranthene	**0.0838**	**0.0793**	0.0833	0.0833	101	95	60 - 131	6	16	
Benzo(j,k)fluoranthene	**0.0716**	**0.0736**	0.0833	0.0833	86	88	57 - 126	3	20	
Benzo[a]pyrene	**0.0907**	**0.0887**	0.0833	0.0833	109	106	62 - 136	2	16	
Indeno(1,2,3-c,d)pyrene	**0.0841**	**0.0838**	0.0833	0.0833	101	101	60 - 127	0	19	
Dibenz[a,h]anthracene	**0.0808**	**0.0801**	0.0833	0.0833	97	96	62 - 133	1	22	
Surrogate:										
2-Fluorobiphenyl					***90***	***87***	***32 - 114***			
Pyrene-d10					***93***	***91***	***33 - 121***			
Terphenyl-d14					***92***	***91***	***31 - 116***			

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Laboratory Reference: 1503-052
Project: 14697

% MOISTURE

Date Analyzed: 3-9-15

Client ID	Lab ID	% Moisture
KM-39-B1-4.5	03-052-01	8
KM-39-EW-3.5	03-052-02	28
KM-39-NW-3.5	03-052-03	28
KM-39-WW-3.5	03-052-04	7
KM-39-SW-3.5	03-052-05	7

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z - The sample chromatogram is similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: amec
Project Number: 14697
Project Name: Tasya Gray
Project Manager: Kelly-Moore Soil ex
Sampled by: Nathan Moxley

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Days
- ☐ 3 Days
- ☒ Standard (7 Days) (TPH analysis 5 Days)
- ☐ _____ (other)

Laboratory Number: 03-052

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	cPAHs					% Moisture
1	KM-39-B1-4.5	3/5/15	1125	Soil	2		X															X					X
2	KM-39-EW-3.5	↓	1130	↓	↓		X															X					↓
3	KM-39-NW-3.5		1310				X															X					
4	KM-39-WW-3.5		1315				X															X					
5	KM-39-SW-3.5	↓	1320	↓	↓		X															X					↓

	Signature	Company	Date	Time
Relinquished		AMEC	3/6/15	1030
Received		Speedy Msngr	3-6-15	1031
Relinquished		" "	" "	1341
Received		COSE	3/6/15	1341
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 23, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 1503-079

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 10, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 23, 2015
Samples Submitted: March 10, 2015
Laboratory Reference: 1503-079
Project: 14697

Case Narrative

Samples were collected on March 6, 2015 and received by the laboratory on March 10, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX Analysis

Per EPA method 5035A, samples were received by the laboratory in pre-weighed 40 ml VOA vials preserved with either Methanol or Sodium Bisulfate.

The chromatograms for samples KM-41-B1-6.0 and KM-41-SW-4.0 are similar to mineral spirits.

The surrogate recovery is outside of the control limits on the high-end for samples KM-41-NW-4.0 and KM-41-WW-4.0. However, since the samples are non-detect, no further action will be taken.

The field-extracted VOA vials provided for samples KM-41-NW-4.0 and KM-41-WW-4.0 contained reduced methanol volume; the PQLs for these samples should be considered estimates.

PAHs EPA 8270D/SIM Analysis

Sample KM-41-B1-6.0, the method blank and a matrix spike had one surrogate recovery out of control limits. This is within allowance of our standard operating procedure as long as the recovery is above 10%.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 23, 2015
Samples Submitted: March 10, 2015
Laboratory Reference: 1503-079
Project: 14697

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-B1-6.0**					
Laboratory ID:	03-079-01					
Benzene	**ND**	0.020	EPA 8021B	3-17-15	3-17-15	
Toluene	**ND**	0.097	EPA 8021B	3-17-15	3-17-15	
Ethyl Benzene	**ND**	0.097	EPA 8021B	3-17-15	3-17-15	
m,p-Xylene	**0.24**	0.097	EPA 8021B	3-17-15	3-17-15	
o-Xylene	**ND**	0.097	EPA 8021B	3-17-15	3-17-15	
Gasoline	**380**	49	NWTPH-Gx	3-17-15	3-18-15	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*111*	*68-123*				
Client ID:	**KM-41-NW-4.0**					
Laboratory ID:	03-079-02					
Benzene	**ND**	0.020	EPA 8021B	3-17-15	3-17-15	
Toluene	**ND**	0.066	EPA 8021B	3-17-15	3-17-15	
Ethyl Benzene	**ND**	0.066	EPA 8021B	3-17-15	3-17-15	
m,p-Xylene	**ND**	0.066	EPA 8021B	3-17-15	3-17-15	
o-Xylene	**ND**	0.066	EPA 8021B	3-17-15	3-17-15	
Gasoline	**ND**	6.6	NWTPH-Gx	3-17-15	3-17-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*137*	*68-123*				Q
Client ID:	**KM-41-SW-4.0**					
Laboratory ID:	03-079-03					
Benzene	**0.021**	0.020	EPA 8021B	3-17-15	3-17-15	
Toluene	**ND**	0.10	EPA 8021B	3-17-15	3-17-15	
Ethyl Benzene	**0.52**	0.10	EPA 8021B	3-17-15	3-17-15	
m,p-Xylene	**5.6**	0.10	EPA 8021B	3-17-15	3-17-15	
o-Xylene	**ND**	1.0	EPA 8021B	3-17-15	3-17-15	U1
Gasoline	**3600**	250	NWTPH-Gx	3-17-15	3-18-15	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*120*	*68-123*				

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Date of Report: March 23, 2015
Samples Submitted: March 10, 2015
Laboratory Reference: 1503-079
Project: 14697

NWTPH-Gx/BTEX

Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-EW-4.0**					
Laboratory ID:	03-079-04					
Benzene	**ND**	0.020	EPA 8021B	3-17-15	3-17-15	
Toluene	**ND**	0.050	EPA 8021B	3-17-15	3-17-15	
Ethyl Benzene	**ND**	0.050	EPA 8021B	3-17-15	3-17-15	
m,p-Xylene	**ND**	0.050	EPA 8021B	3-17-15	3-17-15	
o-Xylene	**ND**	0.050	EPA 8021B	3-17-15	3-17-15	
Gasoline	**ND**	5.0	NWTPH-Gx	3-17-15	3-17-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*118*	*68-123*				
Client ID:	**KM-41-WW-4.0**					
Laboratory ID:	03-079-05					
Benzene	**ND**	0.020	EPA 8021B	3-17-15	3-17-15	
Toluene	**ND**	0.065	EPA 8021B	3-17-15	3-17-15	
Ethyl Benzene	**ND**	0.065	EPA 8021B	3-17-15	3-17-15	
m,p-Xylene	**ND**	0.065	EPA 8021B	3-17-15	3-17-15	
o-Xylene	**ND**	0.065	EPA 8021B	3-17-15	3-17-15	
Gasoline	**ND**	6.5	NWTPH-Gx	3-17-15	3-17-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*131*	*68-123*				Q

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Date of Report: March 23, 2015
Samples Submitted: March 10, 2015
Laboratory Reference: 1503-079
Project: 14697

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0317S1					
Benzene	**ND**	0.020	EPA 8021B	3-17-15	3-17-15	
Toluene	**ND**	0.050	EPA 8021B	3-17-15	3-17-15	
Ethyl Benzene	**ND**	0.050	EPA 8021B	3-17-15	3-17-15	
m,p-Xylene	**ND**	0.050	EPA 8021B	3-17-15	3-17-15	
o-Xylene	**ND**	0.050	EPA 8021B	3-17-15	3-17-15	
Gasoline	**ND**	5.0	NWTPH-Gx	3-17-15	3-17-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*87*	*68-123*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-162-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*96*	*96*	*68-123*			
SPIKE BLANKS											
Laboratory ID:	SB0317S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.851**	**0.865**	1.00	1.00		**85**	**87**	75-117	2	13	
Toluene	**0.870**	**0.890**	1.00	1.00		**87**	**89**	78-118	2	12	
Ethyl Benzene	**0.860**	**0.931**	1.00	1.00		**86**	**93**	78-118	8	12	
m,p-Xylene	**0.877**	**0.946**	1.00	1.00		**88**	**95**	78-121	8	13	
o-Xylene	**0.889**	**0.973**	1.00	1.00		**89**	**97**	77-119	9	13	
Surrogate:											
Fluorobenzene						*86*	*87*	*68-123*			

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Date of Report: March 23, 2015
Samples Submitted: March 10, 2015
Laboratory Reference: 1503-079
Project: 14697

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-B1-6.0**					
Laboratory ID:	03-079-01					
Benzo[a]anthracene	**0.014**	0.0081	EPA 8270D/SIM	3-19-15	3-20-15	
Chrysene	**0.047**	0.0081	EPA 8270D/SIM	3-19-15	3-20-15	
Benzo[b]fluoranthene	**0.13**	0.0081	EPA 8270D/SIM	3-19-15	3-20-15	
Benzo(j,k)fluoranthene	**0.022**	0.0081	EPA 8270D/SIM	3-19-15	3-20-15	
Benzo[a]pyrene	**0.11**	0.0081	EPA 8270D/SIM	3-19-15	3-20-15	
Indeno(1,2,3-c,d)pyrene	**0.17**	0.0081	EPA 8270D/SIM	3-19-15	3-20-15	
Dibenz[a,h]anthracene	**0.045**	0.0081	EPA 8270D/SIM	3-19-15	3-20-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*122*	*32 - 114*				Q
Pyrene-d10	*92*	*33 - 121*				
Terphenyl-d14	*93*	*31 - 116*				

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Date of Report: March 23, 2015
Samples Submitted: March 10, 2015
Laboratory Reference: 1503-079
Project: 14697

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-NW-4.0**					
Laboratory ID:	03-079-02					
Benzo[a]anthracene	**0.044**	0.0082	EPA 8270D/SIM	3-19-15	3-20-15	
Chrysene	**0.019**	0.0082	EPA 8270D/SIM	3-19-15	3-20-15	
Benzo[b]fluoranthene	**0.053**	0.0082	EPA 8270D/SIM	3-19-15	3-20-15	
Benzo(j,k)fluoranthene	**0.018**	0.0082	EPA 8270D/SIM	3-19-15	3-20-15	
Benzo[a]pyrene	**0.048**	0.0082	EPA 8270D/SIM	3-19-15	3-20-15	
Indeno(1,2,3-c,d)pyrene	**0.45**	0.0082	EPA 8270D/SIM	3-19-15	3-20-15	
Dibenz[a,h]anthracene	**0.057**	0.0082	EPA 8270D/SIM	3-19-15	3-20-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*108*	*32 - 114*				
Pyrene-d10	*83*	*33 - 121*				
Terphenyl-d14	*90*	*31 - 116*				

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Date of Report: March 23, 2015
Samples Submitted: March 10, 2015
Laboratory Reference: 1503-079
Project: 14697

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-SW-4.0**					
Laboratory ID:	03-079-03					
Benzo[a]anthracene	**0.14**	0.0073	EPA 8270D/SIM	3-19-15	3-20-15	
Chrysene	**0.13**	0.0073	EPA 8270D/SIM	3-19-15	3-20-15	
Benzo[b]fluoranthene	**0.18**	0.0073	EPA 8270D/SIM	3-19-15	3-20-15	
Benzo(j,k)fluoranthene	**0.035**	0.0073	EPA 8270D/SIM	3-19-15	3-20-15	
Benzo[a]pyrene	**0.11**	0.0073	EPA 8270D/SIM	3-19-15	3-20-15	
Indeno(1,2,3-c,d)pyrene	**0.051**	0.0073	EPA 8270D/SIM	3-19-15	3-20-15	
Dibenz[a,h]anthracene	**0.016**	0.0073	EPA 8270D/SIM	3-19-15	3-20-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*76*	*32 - 114*				
Pyrene-d10	*61*	*33 - 121*				
Terphenyl-d14	*62*	*31 - 116*				

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Date of Report: March 23, 2015
Samples Submitted: March 10, 2015
Laboratory Reference: 1503-079
Project: 14697

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-EW-4.0**					
Laboratory ID:	03-079-04					
Benzo[a]anthracene	**ND**	0.0081	EPA 8270D/SIM	3-19-15	3-20-15	
Chrysene	**0.010**	0.0081	EPA 8270D/SIM	3-19-15	3-20-15	
Benzo[b]fluoranthene	**0.048**	0.0081	EPA 8270D/SIM	3-19-15	3-20-15	
Benzo(j,k)fluoranthene	**ND**	0.0081	EPA 8270D/SIM	3-19-15	3-20-15	
Benzo[a]pyrene	**0.068**	0.0081	EPA 8270D/SIM	3-19-15	3-20-15	
Indeno(1,2,3-c,d)pyrene	**0.089**	0.0081	EPA 8270D/SIM	3-19-15	3-20-15	
Dibenz[a,h]anthracene	**0.025**	0.0081	EPA 8270D/SIM	3-19-15	3-20-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*107*	*32 - 114*				
Pyrene-d10	*82*	*33 - 121*				
Terphenyl-d14	*85*	*31 - 116*				

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Laboratory Reference: 1503-079
Project: 14697

cPAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-WW-4.0**					
Laboratory ID:	03-079-05					
Benzo[a]anthracene	**0.025**	0.0083	EPA 8270D/SIM	3-19-15	3-20-15	
Chrysene	**ND**	0.0083	EPA 8270D/SIM	3-19-15	3-20-15	
Benzo[b]fluoranthene	**0.0091**	0.0083	EPA 8270D/SIM	3-19-15	3-20-15	
Benzo(j,k)fluoranthene	**ND**	0.0083	EPA 8270D/SIM	3-19-15	3-20-15	
Benzo[a]pyrene	**0.27**	0.0083	EPA 8270D/SIM	3-19-15	3-20-15	
Indeno(1,2,3-c,d)pyrene	**0.67**	0.0083	EPA 8270D/SIM	3-19-15	3-20-15	
Dibenz[a,h]anthracene	**0.076**	0.0083	EPA 8270D/SIM	3-19-15	3-20-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*103*	*32 - 114*				
Pyrene-d10	*82*	*33 - 121*				
Terphenyl-d14	*83*	*31 - 116*				

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Date of Report: March 23, 2015
Samples Submitted: March 10, 2015
Laboratory Reference: 1503-079
Project: 14697

cPAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0319S1					
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	3-19-15	3-20-15	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	3-19-15	3-20-15	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	3-19-15	3-20-15	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	3-19-15	3-20-15	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	3-19-15	3-20-15	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270D/SIM	3-19-15	3-20-15	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	3-19-15	3-20-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*115*	*32 - 114*				Q
Pyrene-d10	*84*	*33 - 121*				
Terphenyl-d14	*81*	*31 - 116*				

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Samples Submitted: March 10, 2015
Laboratory Reference: 1503-079
Project: 14697

cPAHs EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-107-01										
	MS	MSD	MS	MSD		MS	MSD				
Benzo[a]anthracene	**0.0826**	**0.0682**	0.0833	0.0833	ND	99	82	42 - 134	19	27	
Chrysene	**0.0694**	**0.0589**	0.0833	0.0833	ND	83	71	45 - 114	16	27	
Benzo[b]fluoranthene	**0.0726**	**0.0624**	0.0833	0.0833	ND	87	75	38 - 131	15	33	
Benzo(j,k)fluoranthene	**0.0703**	**0.0616**	0.0833	0.0833	ND	84	74	44 - 114	13	34	
Benzo[a]pyrene	**0.0808**	**0.0665**	0.0833	0.0833	ND	97	80	40 - 136	19	29	
Indeno(1,2,3-c,d)pyrene	**0.0710**	**0.0591**	0.0833	0.0833	ND	85	71	45 - 126	18	30	
Dibenz[a,h]anthracene	**0.0713**	**0.0594**	0.0833	0.0833	ND	86	71	46 - 121	18	28	
Surrogate:											
2-Fluorobiphenyl						*120*	*91*	*32 - 114*			Q
Pyrene-d10						*82*	*69*	*33 - 121*			
Terphenyl-d14						*78*	*66*	*31 - 116*			

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Date of Report: March 23, 2015
Samples Submitted: March 10, 2015
Laboratory Reference: 1503-079
Project: 14697

% MOISTURE

Date Analyzed: 3-17-15

Client ID	Lab ID	% Moisture
KM-41-B1-6.0	03-079-01	18
KM-41-NW-4.0	03-079-02	19
KM-41-SW-4.0	03-079-03	9
KM-41-EW-4.0	03-079-04	18
KM-41-WW-4.0	03-079-05	20

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z - The sample chromatogram is similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
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Company: Amec
Project Number: 14697
Project Name: Former Kelly-Moore
Project Manager: Tasya Gray
Sampled by: Nathan Morley

Turnaround Request (in working days)

(Check One)

☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☒ ~~Archive until further notice~~ (other)

Laboratory Number: 03-079

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level) cPAHs only	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Archive						% Moisture
1	KM-41-B1-6.0	3/6/15	0915	Soil	2		X						X								X	X					X
2	KM-41-NW-4.0		0920				X						X								X	X					X
3	KM-41-SW-4.0		0925				X						X								X	X					X
4	KM-41-EW-4.0		0930				X						X								X	X					X
5	KM-41-WW-4.0		0935				X						X								X	X					X

	Signature	Company	Date	Time
Relinquished		Amec	3/9/15 NM	
Received	Van	Spdy	3/10/15	0815
Relinquished	"	"	"	1045
Received		OSE	3/10/15	1045
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Archive samples pending receipt of Bldg & PCB samples

X Added 3/17/15. DB (STA)

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

April 8, 2015

Tasya Gray
AMEC Environment and Infrastructure, Inc.
One Union Square
600 University Street, Suite 600
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 1503-321

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 31, 2015.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 8, 2015
Samples Submitted: March 31, 2015
Laboratory Reference: 1503-321
Project: 14697

Case Narrative

Samples were collected on March 31, 2015 and received by the laboratory on March 31, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

All soil results are reported on a dry-weight basis, unless otherwise noted below in a case narrative.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 8, 2015
Samples Submitted: March 31, 2015
Laboratory Reference: 1503-321
Project: 14697

TOTAL METALS
EPA 6010C/7471B

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	03-321-01					
Client ID:	**KM15-IMPORT A**					
Arsenic	**ND**	12	6010C	4-6-15	4-7-15	
Barium	**89**	2.9	6010C	4-6-15	4-7-15	
Cadmium	**ND**	0.58	6010C	4-6-15	4-7-15	
Chromium	**34**	0.58	6010C	4-6-15	4-7-15	
Lead	**39**	5.8	6010C	4-6-15	4-7-15	
Mercury	**ND**	0.29	7471B	4-2-15	4-2-15	
Selenium	**ND**	12	6010C	4-6-15	4-7-15	
Silver	**ND**	1.2	6010C	4-6-15	4-7-15	
Lab ID:	03-321-02					
Client ID:	**KM15-IMPORT B**					
Arsenic	**ND**	12	6010C	4-6-15	4-7-15	
Barium	**73**	2.9	6010C	4-6-15	4-7-15	
Cadmium	**ND**	0.58	6010C	4-6-15	4-7-15	
Chromium	**29**	0.58	6010C	4-6-15	4-7-15	
Lead	**26**	5.8	6010C	4-6-15	4-7-15	
Mercury	**ND**	0.29	7471B	4-2-15	4-2-15	
Selenium	**ND**	12	6010C	4-6-15	4-7-15	
Silver	**ND**	1.2	6010C	4-6-15	4-7-15	

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Date of Report: April 8, 2015
Samples Submitted: March 31, 2015
Laboratory Reference: 1503-321
Project: 14697

TOTAL METALS
EPA 6010C/7471B

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	03-321-03					
Client ID:	**KM15-IMPORT C**					
Arsenic	**ND**	12	6010C	4-6-15	4-7-15	
Barium	**86**	2.9	6010C	4-6-15	4-7-15	
Cadmium	**ND**	0.58	6010C	4-6-15	4-7-15	
Chromium	**30**	0.58	6010C	4-6-15	4-7-15	
Lead	**31**	5.8	6010C	4-6-15	4-7-15	
Mercury	**ND**	0.29	7471B	4-2-15	4-2-15	
Selenium	**ND**	12	6010C	4-6-15	4-7-15	
Silver	**ND**	1.2	6010C	4-6-15	4-7-15	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: April 8, 2015
Samples Submitted: March 31, 2015
Laboratory Reference: 1503-321
Project: 14697

TOTAL METALS
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Extracted: 4-6-15
Date Analyzed: 4-7-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0406SM1

Analyte	Method	Result	PQL
Arsenic	6010C	**ND**	10
Barium	6010C	**ND**	2.5
Cadmium	6010C	**ND**	0.50
Chromium	6010C	**ND**	0.50
Lead	6010C	**ND**	5.0
Selenium	6010C	**ND**	10
Silver	6010C	**ND**	1.0

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 8, 2015
Samples Submitted: March 31, 2015
Laboratory Reference: 1503-321
Project: 14697

TOTAL MERCURY
EPA 7471B
METHOD BLANK QUALITY CONTROL

Date Extracted:	4-2-15
Date Analyzed:	4-2-15
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0402S1

Analyte	Method	Result	PQL
Mercury	7471B	**ND**	0.25

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Date of Report: April 8, 2015
Samples Submitted: March 31, 2015
Laboratory Reference: 1503-321
Project: 14697

TOTAL METALS
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 4-6-15
Date Analyzed: 4-7-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 03-321-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Barium	**76.6**	**78.2**	2	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**29.4**	**26.1**	12	0.50	
Lead	**33.8**	**34.4**	2	5.0	
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	1.0	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 8, 2015
Samples Submitted: March 31, 2015
Laboratory Reference: 1503-321
Project: 14697

TOTAL MERCURY
EPA 7471B
DUPLICATE QUALITY CONTROL

Date Extracted: 4-2-15
Date Analyzed: 4-2-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 03-302-10

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Mercury	**ND**	**ND**	NA	0.25	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 8, 2015
Samples Submitted: March 31, 2015
Laboratory Reference: 1503-321
Project: 14697

TOTAL METALS
EPA 6010C
MS/MSD QUALITY CONTROL

Date Extracted: 4-6-15
Date Analyzed: 4-7-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 03-321-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**101**	101	**101**	101	0	
Barium	100	**173**	97	**183**	106	5	
Cadmium	50.0	**49.0**	98	**49.4**	99	1	
Chromium	100	**118**	89	**121**	92	3	
Lead	250	**273**	96	**275**	97	1	
Selenium	100	**95.4**	95	**95.4**	95	0	
Silver	25.0	**21.7**	87	**22.0**	88	1	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 8, 2015
Samples Submitted: March 31, 2015
Laboratory Reference: 1503-321
Project: 14697

TOTAL MERCURY
EPA 7471B
MS/MSD QUALITY CONTROL

Date Extracted: 4-2-15
Date Analyzed: 4-2-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 03-302-10

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Mercury	0.500	**0.510**	102	**0.510**	102	0	

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 8, 2015
Samples Submitted: March 31, 2015
Laboratory Reference: 1503-321
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM15-IMPORT A**					
Laboratory ID:	03-321-01					
Diesel Range Organics	**ND**	29	NWTPH-Dx	4-3-15	4-3-15	
Lube Oil	**80**	58	NWTPH-Dx	4-3-15	4-3-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***88***	***50-150***				
Client ID:	**KM15-IMPORT B**					
Laboratory ID:	03-321-02					
Diesel Range Organics	**ND**	29	NWTPH-Dx	4-3-15	4-3-15	
Lube Oil Range Organics	**ND**	58	NWTPH-Dx	4-3-15	4-3-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***83***	***50-150***				
Client ID:	**KM15-IMPORT C**					
Laboratory ID:	03-321-03					
Diesel Range Organics	**ND**	29	NWTPH-Dx	4-3-15	4-3-15	
Lube Oil Range Organics	**ND**	58	NWTPH-Dx	4-3-15	4-3-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***83***	***50-150***				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 8, 2015
Samples Submitted: March 31, 2015
Laboratory Reference: 1503-321
Project: 14697

NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0403S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	4-3-15	4-3-15	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	4-3-15	4-3-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***100***	***50-150***				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	03-321-03									
	ORIG	DUP								
Diesel Range	**ND**	**ND**	NA	NA		NA	NA	NA	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA	NA	NA	NA	
Surrogate:										
o-Terphenyl						***83 78***	***50-150***			

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Date of Report: April 8, 2015
Samples Submitted: March 31, 2015
Laboratory Reference: 1503-321
Project: 14697

% MOISTURE

Date Analyzed: 4-3-15

Client ID	Lab ID	% Moisture
KM15-IMPORT A	03-321-01	14
KM15-IMPORT B	03-321-02	14
KM15-IMPORT C	03-321-03	13

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

CHAIN-OF-CUSTODY RECORD

03-321

PROJECT NAME: Kelly-Moore Soil Excavation		DATE: 3/31/15	PAGE 1 OF 1
PROJECT NUMBER: 14697	LABORATORY NAME: On-Site Environmental	CLIENT INFORMATION:	REPORTING REQUIREMENTS:
RESULTS TO: Tasha Gray	LABORATORY ADDRESS:		
TURNAROUND TIME: 1 week			
SAMPLE SHIPMENT METHOD:	LABORATORY CONTACT:		GEOTRACKER REQUIRED YES NO
	LABORATORY PHONE NUMBER:		SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE):

DATE	TIME	SAMPLE NUMBER	ANALYSES: RCRA 8 metals	ANALYSES: NWTPH-Dx	ANALYSES: Moisture	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
3/31/15	0920	KM15-IMPORT A	X	X	X	1-4 oz jar	S						
3/31/15	0925	KM15-IMPORT B	X	X	X	"	S						
3/31/15	0930	KM15-IMPORT C	X	X	X	"	S						

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE: S. Behrouzi	3/31/15	12:10pm	SIGNATURE:	3/31/15	1230 pm
PRINTED NAME: S. Behrouzi			PRINTED NAME: Pete Bodin		
COMPANY: AMEC			COMPANY: Speedy Messenger		
SIGNATURE:	3/31/15	1450	SIGNATURE:	3/31/15	1450
PRINTED NAME: Pete Bodin			PRINTED NAME:		
COMPANY: Speedy Messenger			COMPANY:		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		

TOTAL NUMBER OF CONTAINERS:

SAMPLING COMMENTS:

One Union Square, 600 University Street, Suite 1020
Seattle, Washington 98101-4107
Tel 206.342.1760 Fax 206.342.1761

amec

APPENDIX E

Simplified Terrestrial Ecological Evaluation

Table 749-1
Simplified Terrestrial Ecological Evaluation – Exposure Analysis Procedure under WAC 173-340-7492(2)(a)(ii).[a]

Estimate the area of contiguous (connected) undeveloped land on the site or within 500 feet of any area of the site to the nearest 1/2 acre (1/4 acre if the area is less than 0.5 acre). "Undeveloped land" means land that is not covered by existing buildings, roads, paved areas or other barriers that will prevent wildlife from feeding on plants, earthworms, insects or other food in or on the soil.	
1) From the table below, find the number of points corresponding to the area and enter this number in the box to the right.	8
Area (acres) / Points 0.25 or less: 4 0.5: 5 1.0: 6 1.5: 7 2.0: 8 2.5: 9 3.0: 10 3.5: 11 4.0 or more: 12	
2) Is this an industrial or commercial property? See WAC 173-340-7490(3)(c). If yes, enter a score of 3 in the box to the right. If no, enter a score of 1.	3
3) Enter a score in the box to the right for the habitat quality of the site, using the rating system shown below[b]. (High = 1, Intermediate = 2, Low = 3)	3
4) Is the undeveloped land likely to attract wildlife? If yes, enter a score of 1 in the box to the right. If no, enter a score of 2. See footnote c.	2
5) Are there any of the following soil contaminants present: Chlorinated dioxins/furans, PCB mixtures, DDT, DDE, DDD, aldrin, chlordane, dieldrin, endosulfan, endrin, heptachlor, benzene hexachloride, toxaphene, hexachlorobenzene, pentachlorophenol, pentachlorobenzene? If yes, enter a score of 1 in the box to the right. If no, enter a score of 4.	1
6) Add the numbers in the boxes on lines 2 through 5 and enter this number in the box to the right. If this number is larger than the number in the box on line 1, the simplified terrestrial ecological evaluation may be ended under WAC 173-340-7492 (2)(a)(ii).	9

Footnotes:

a It is expected that this habitat evaluation will be undertaken by an experienced field biologist. If this is not the case, enter a conservative score (1) for questions 3 and 4.

b **Habitat rating system.** Rate the quality of the habitat as high, intermediate or low based on your professional judgment as a field biologist. The following are suggested factors to consider in making this evaluation:
Low: Early successional vegetative stands; vegetation predominantly noxious, nonnative, exotic plant species or weeds. Areas severely disturbed by human activity, including intensively cultivated croplands. Areas isolated from other habitat used by wildlife.
High: Area is ecologically significant for one or more of the following reasons: Late-successional native plant communities present; relatively high species diversity; used by an uncommon or rare species; priority habitat (as defined by the Washington Department of Fish and Wildlife); part of a larger area of habitat where size or fragmentation may be important for the retention of some species.
Intermediate: Area does not rate as either high or low.

c Indicate "yes" if the area attracts wildlife or is likely to do so. Examples: Birds frequently visit the area to feed; evidence of high use by mammals (tracks, scat, etc.); habitat "island" in an industrial area; unusual features of an area that make it important for feeding animals; heavy use during seasonal migrations.